

Kentucky's Postsecondary Education Planning Data Book



Kentucky Council on
Postsecondary Education
September 2004

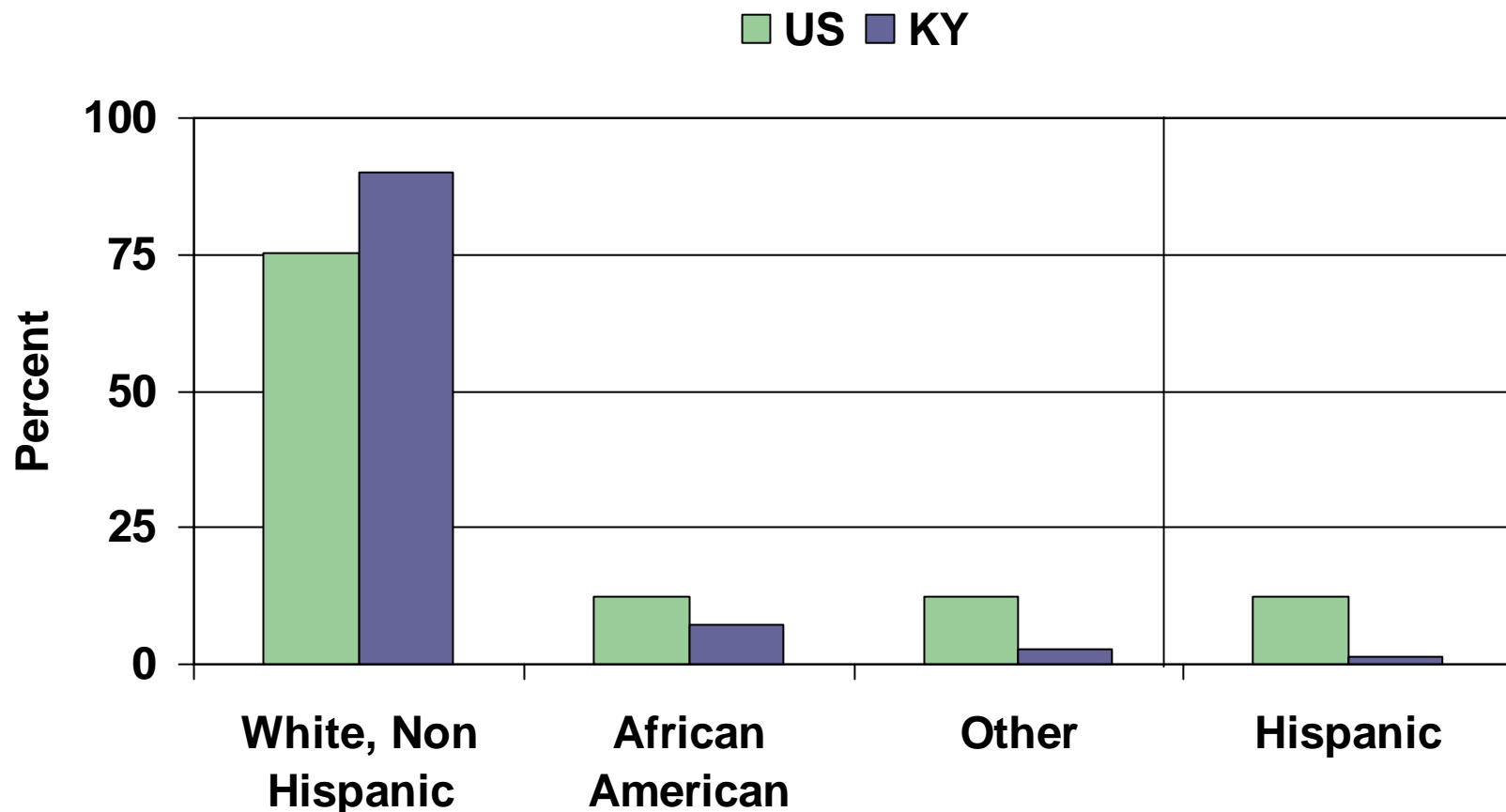


Planning Data Topics

- Population Characteristics and Projections
 - Population
 - High School Graduates
- Educational Attainment
 - High School
 - Baccalaureate and Higher
- Preparation for Postsecondary Education
 - Adult Education
 - High School Student
- Postsecondary Education Participation
- Enrollment
- Student Progress and Completion
 - First-Year Retention Rates
 - Certificates, Diplomas and Associates
 - Baccalaureate Degrees
- Student Learning
- Workforce Development
- Benefits/Economy
- Income/Poverty
- Research
- Migration

Population Characteristics and Projections

Distribution of Population by Race/Ethnicity, 2000

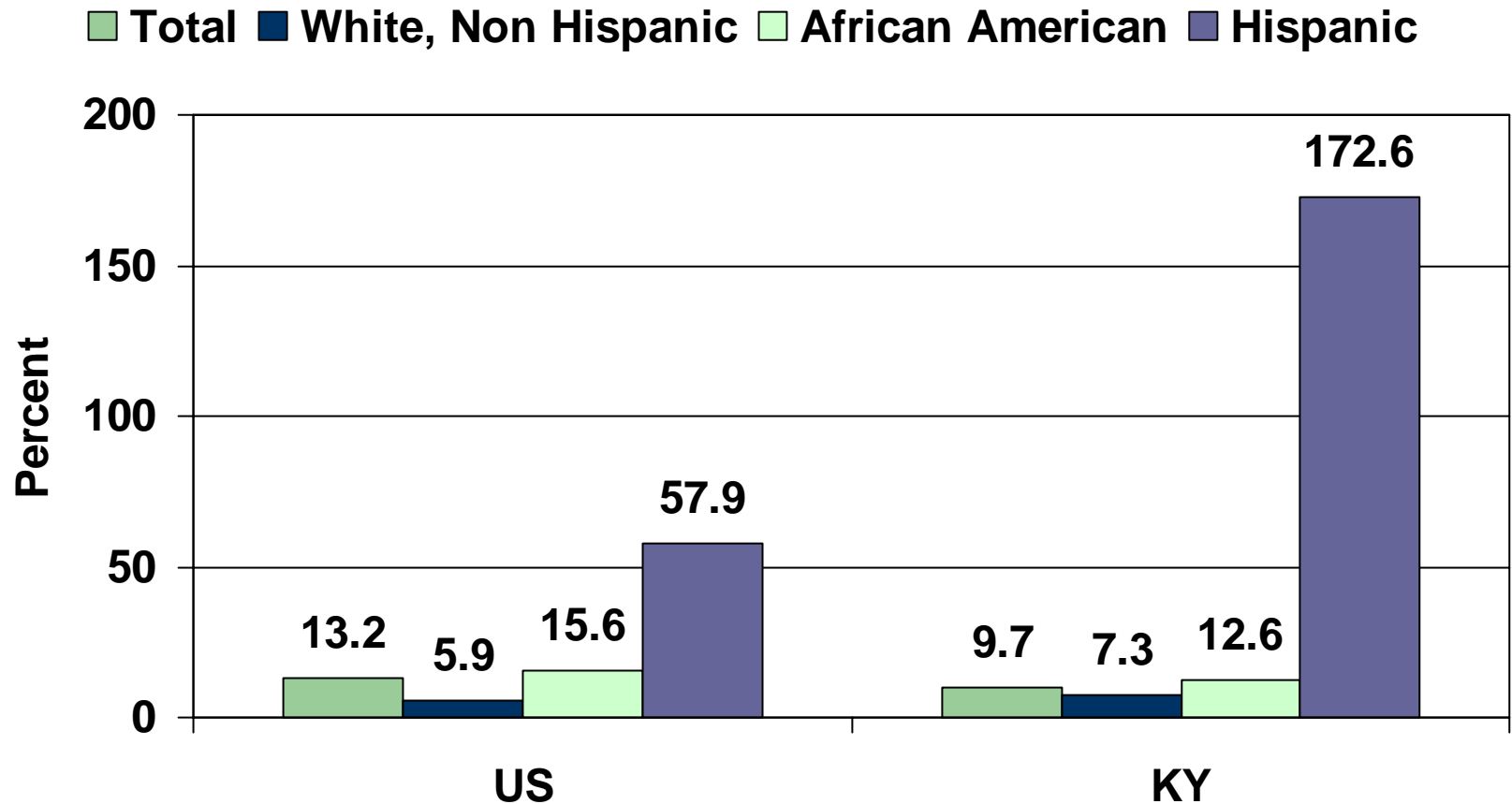


Note. Hispanic ethnicity includes individuals from all race groups.

Source: US Census

Population Growth by Ethnicity

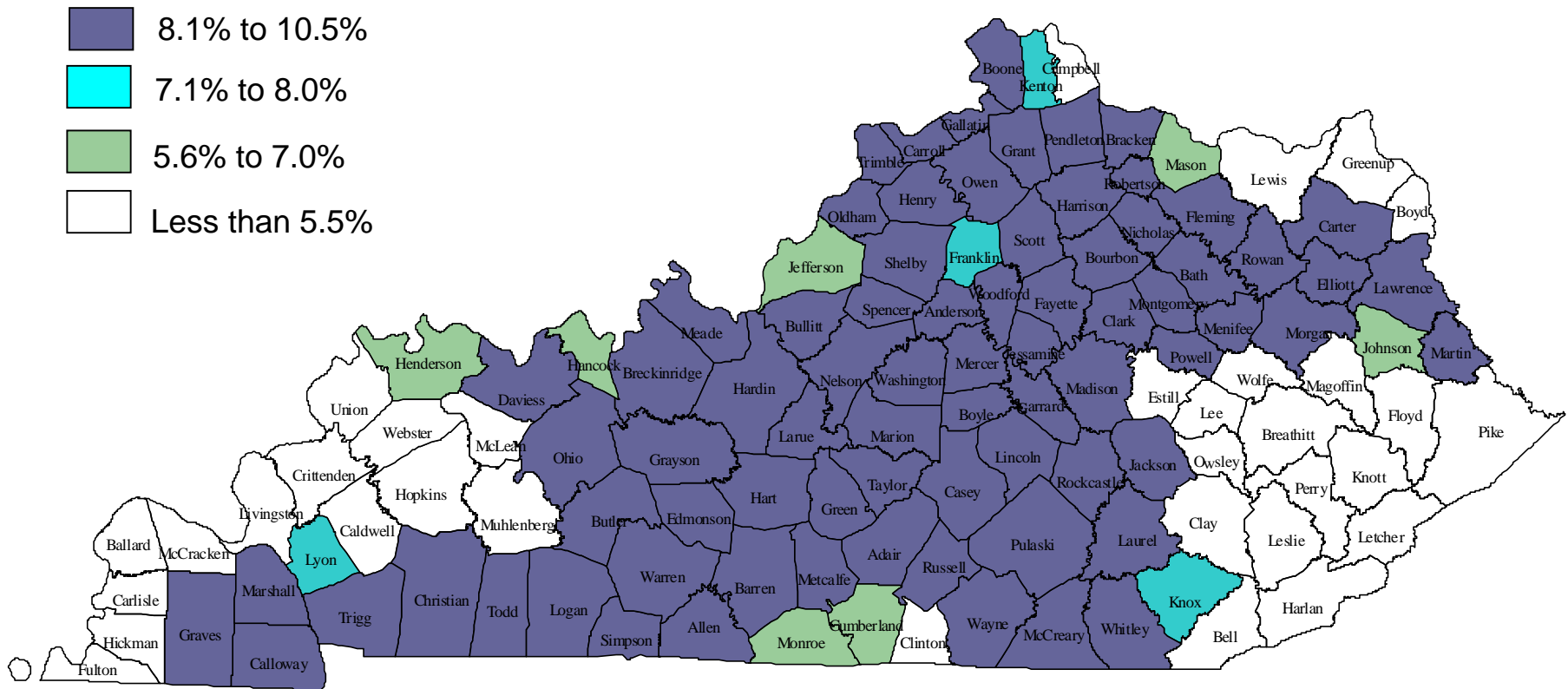
1990 to 2000 Census



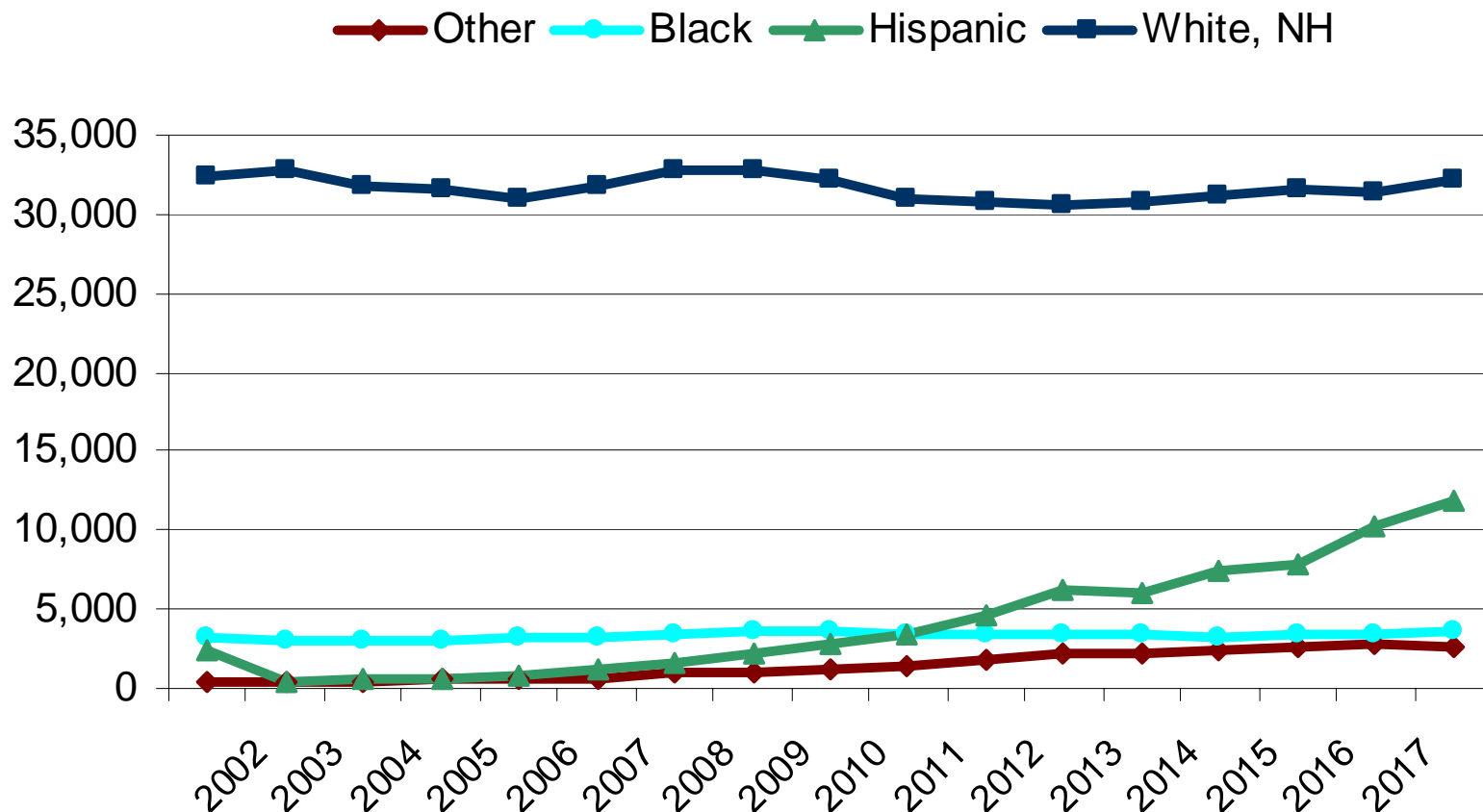
Source: KY State Data Center

Projected Population Change 2000 to 2020 by County

Projected Increase for Kentucky: 15%



Projected High School Graduates by Race/Ethnicity, 2001/02 to 2017/18



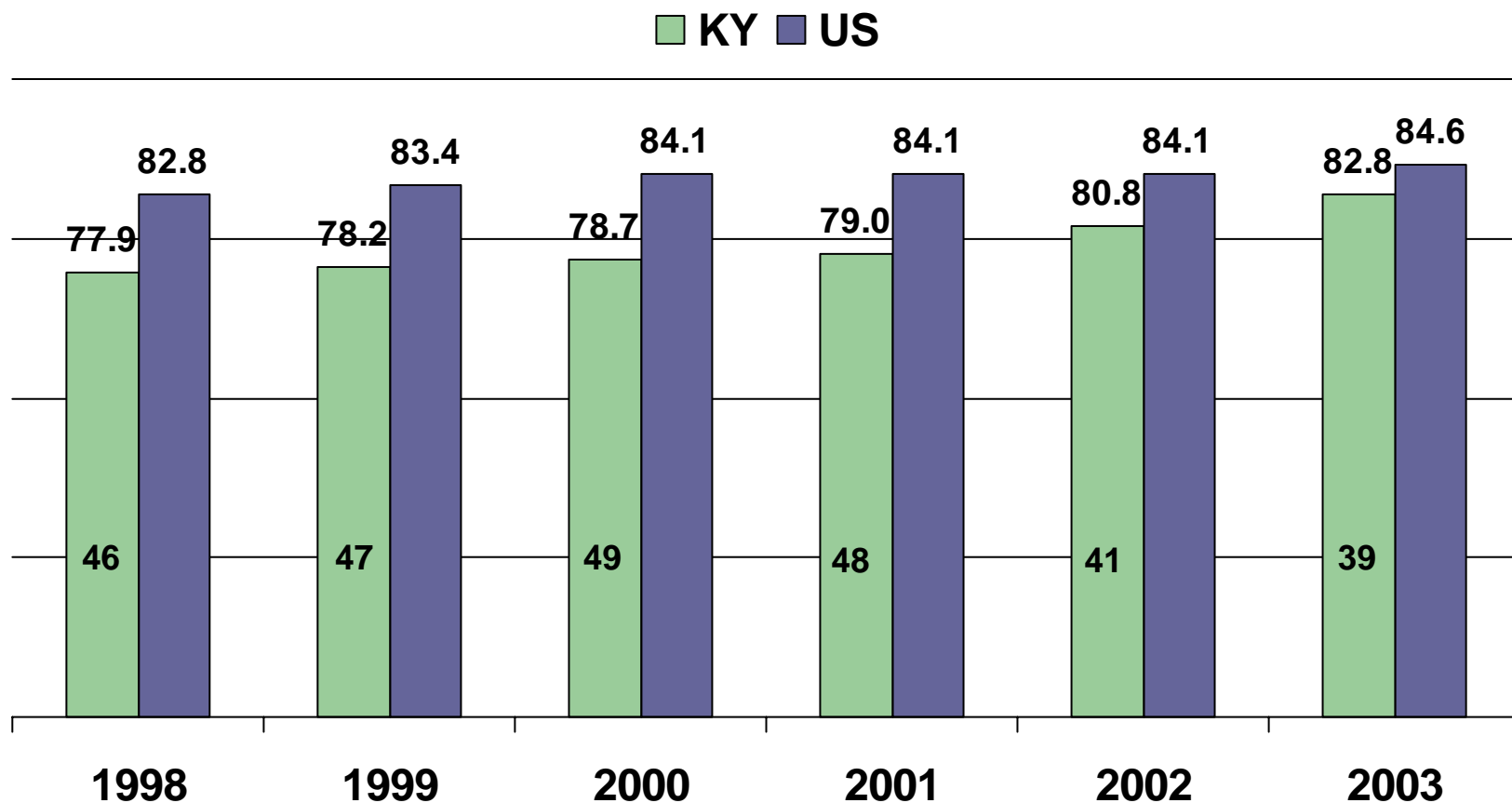
Source: WICHE Knocking at the College Door, 2003

Educational Attainment

- High School Diploma or Equivalent

Kentucky's Educational Attainment

25 and older, High School or Equivalent

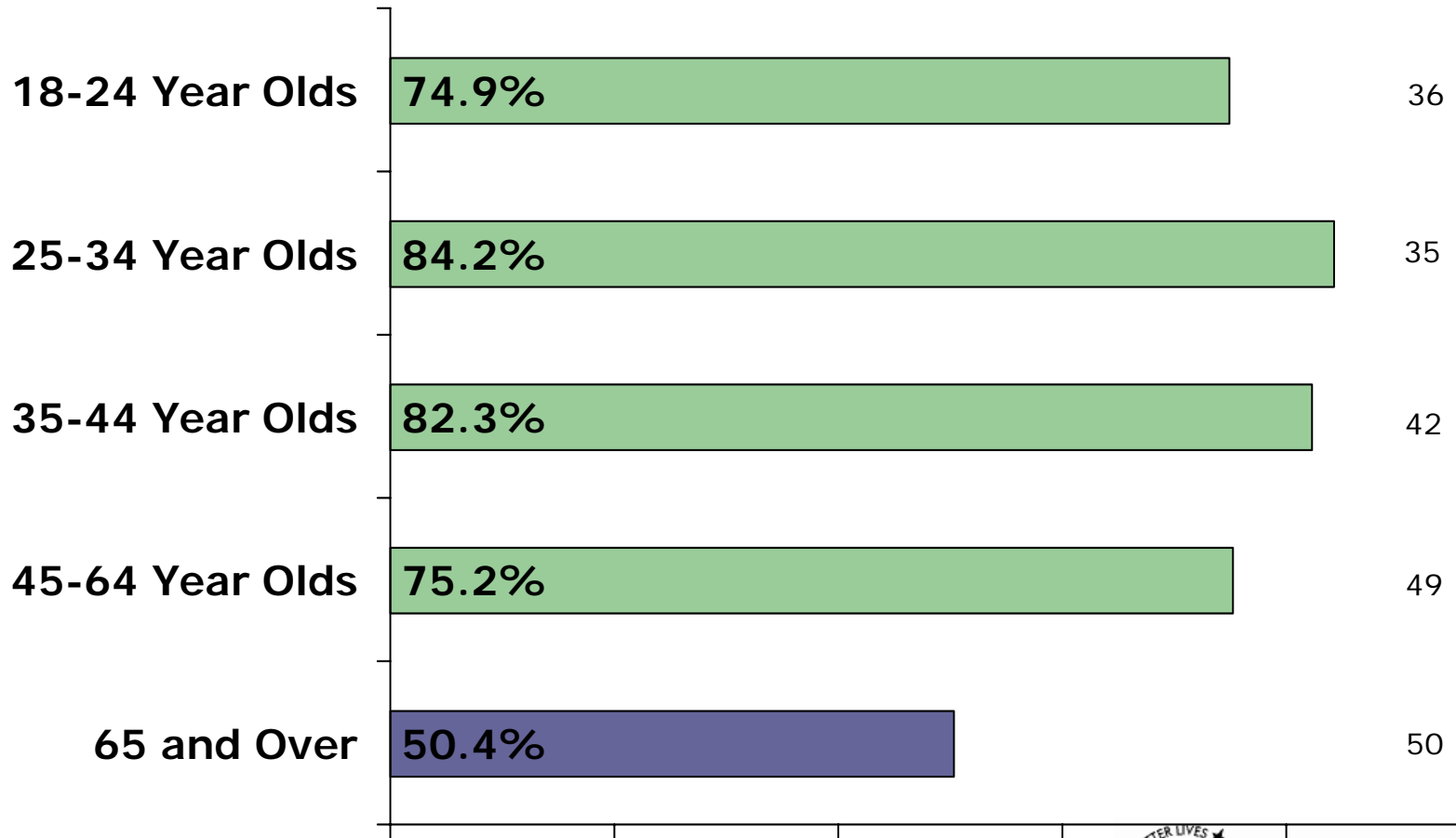


Source: US Census Bureau Current Population Survey

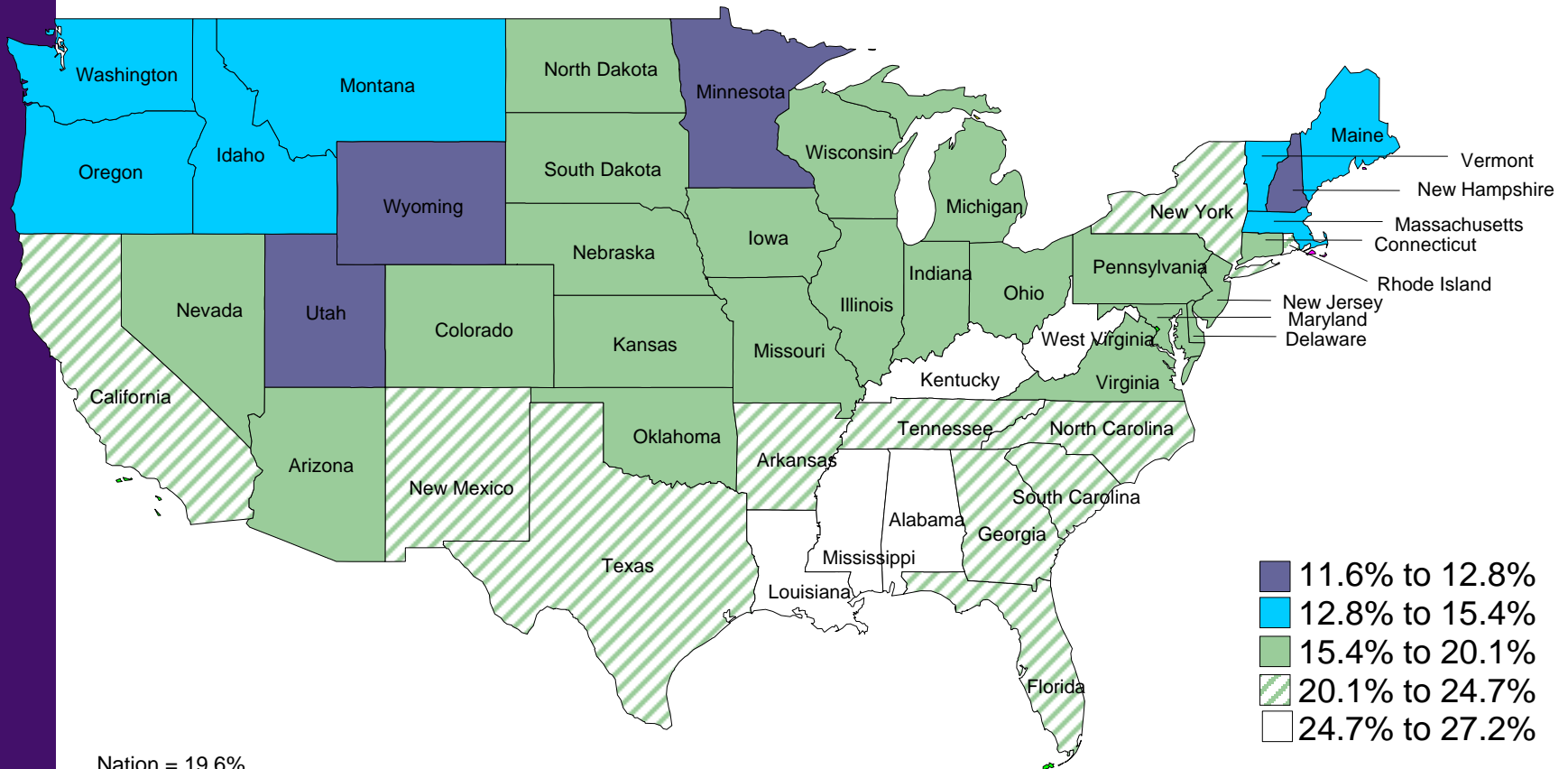
Kentucky Educational Attainment and State Rank by Age, 2000

Percent with a High School Diploma/GED

National
Ranking

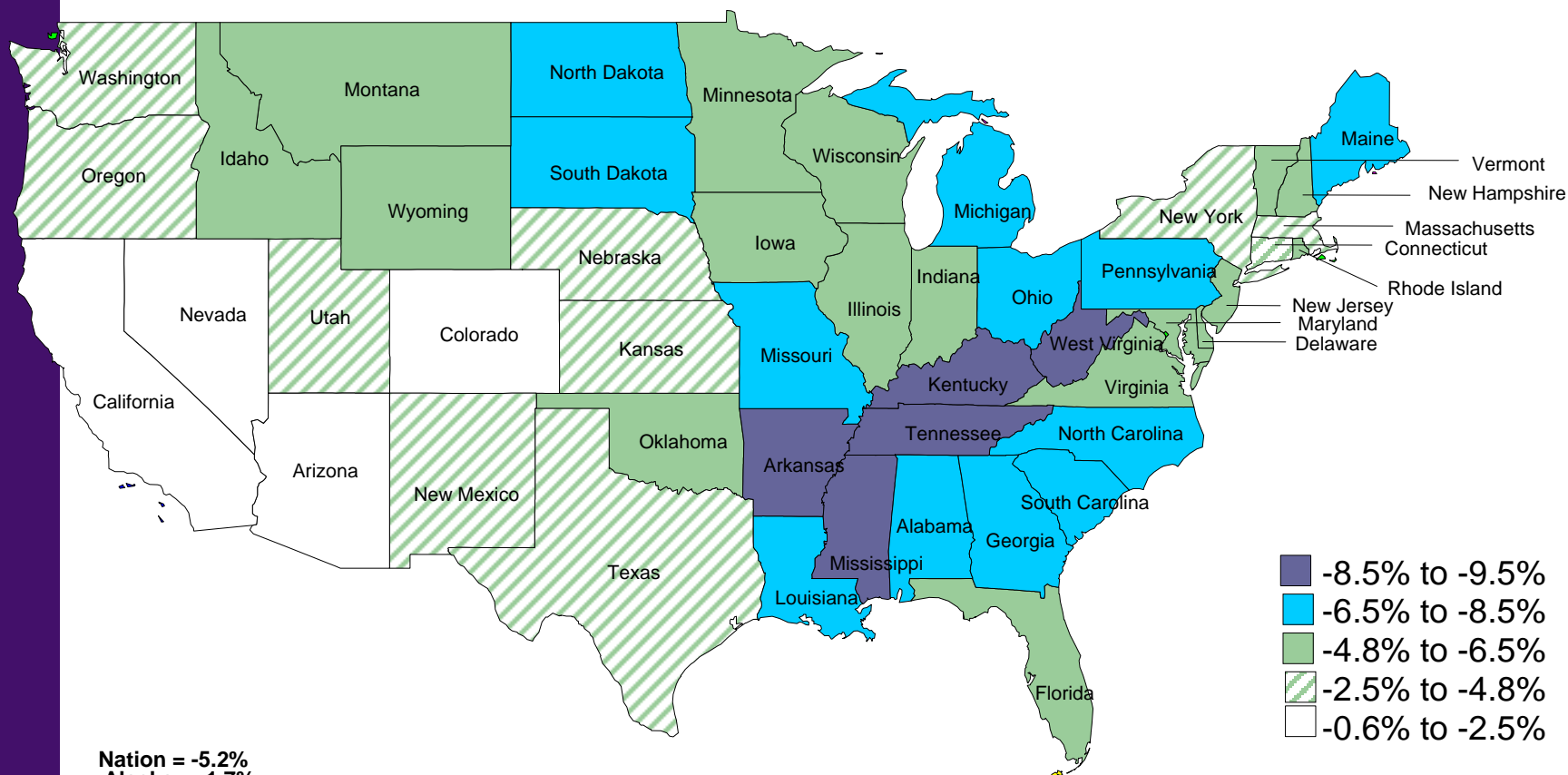


Percent of Adult Population With Less Than a High School Diploma, 2000



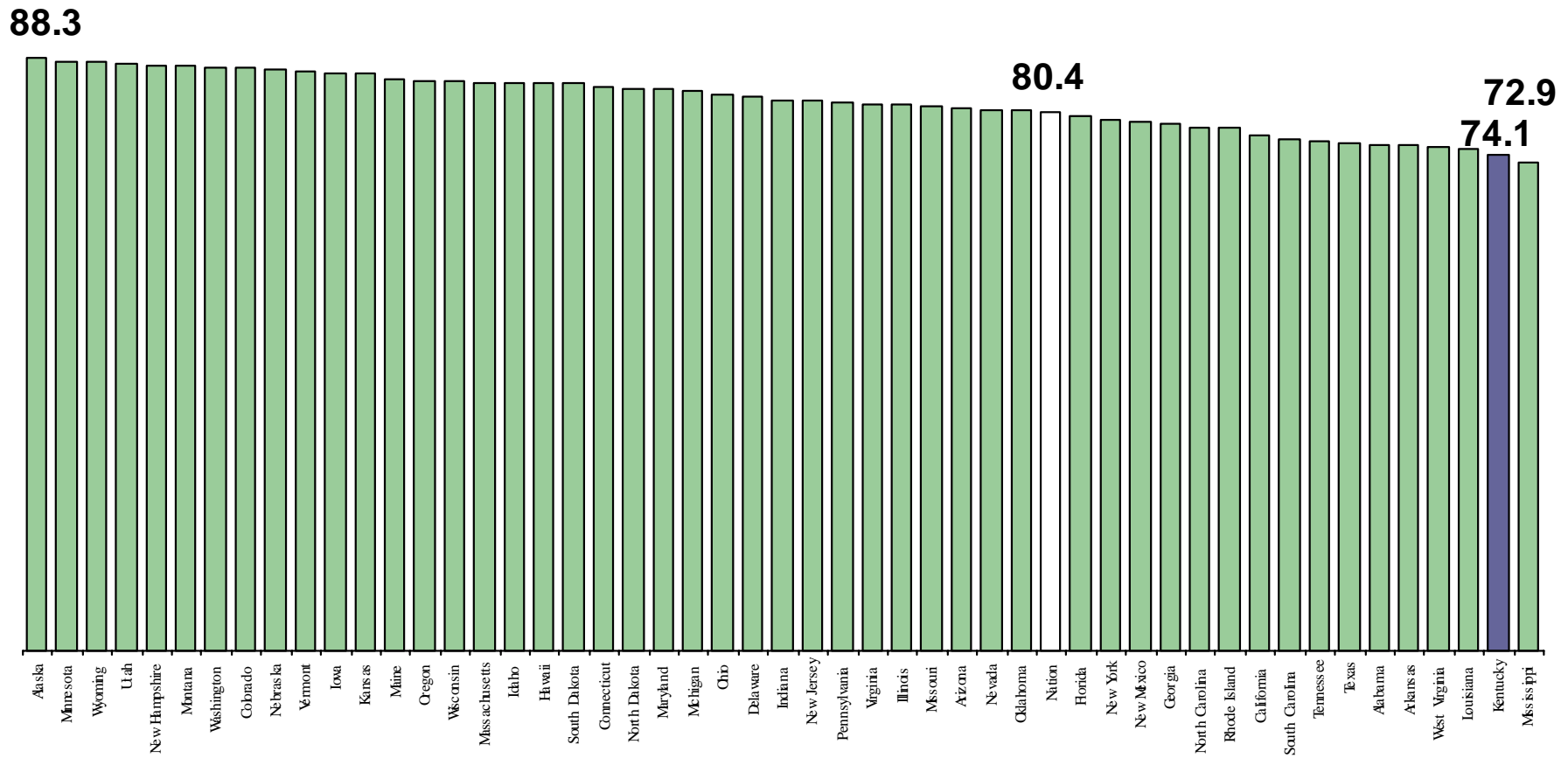
Nation = 19.6%
Alaska = 11.7%
 Hawaii = 15.4%
District of Columbia = 22.2%
 Data Source: 2000 Census
 7-24-02

Change in Percent of Adult Population With Less Than a High School Diploma, 1990-2000

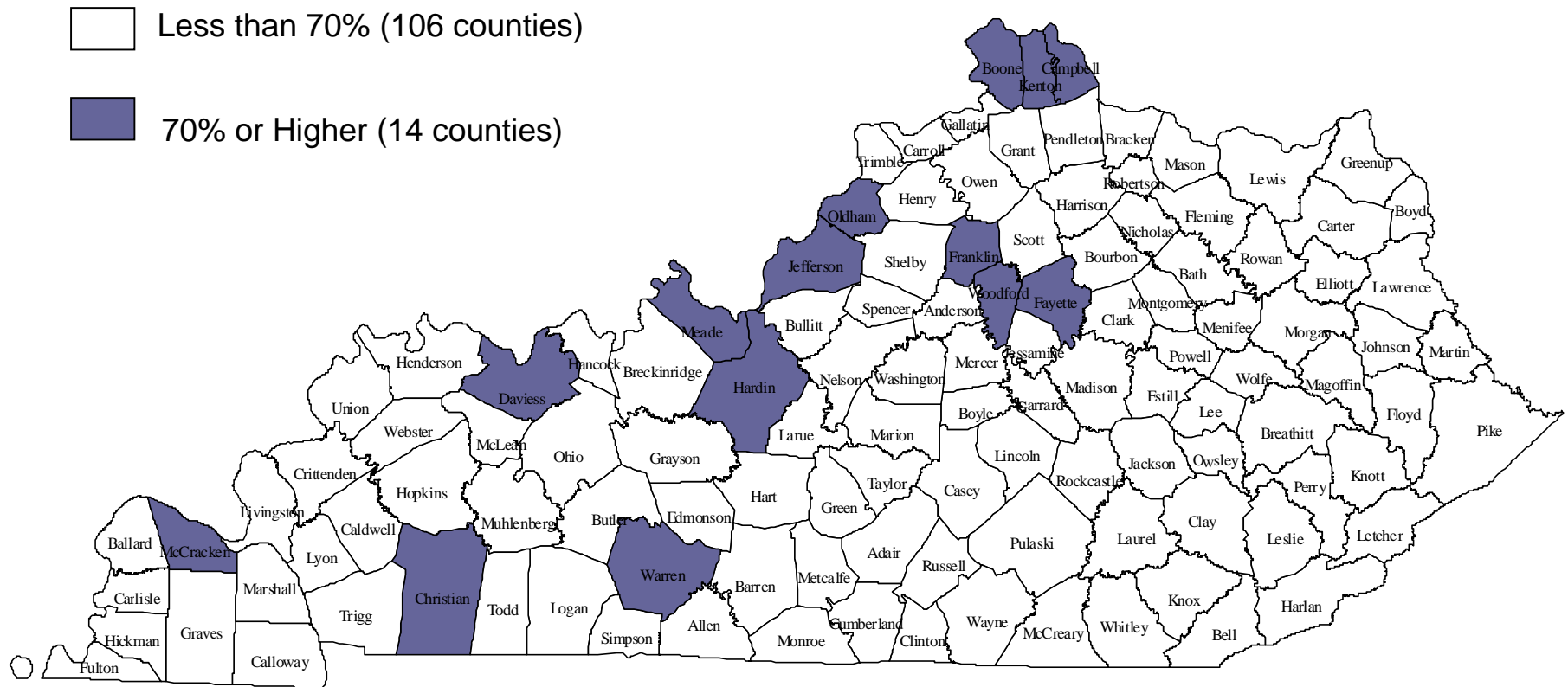


Nation = -5.2%
 Alaska = -1.7%
 Hawaii = -4.5%
 District of Columbia = -4.7%
 Data Source: 1990, 2000 Census
 7-23-02

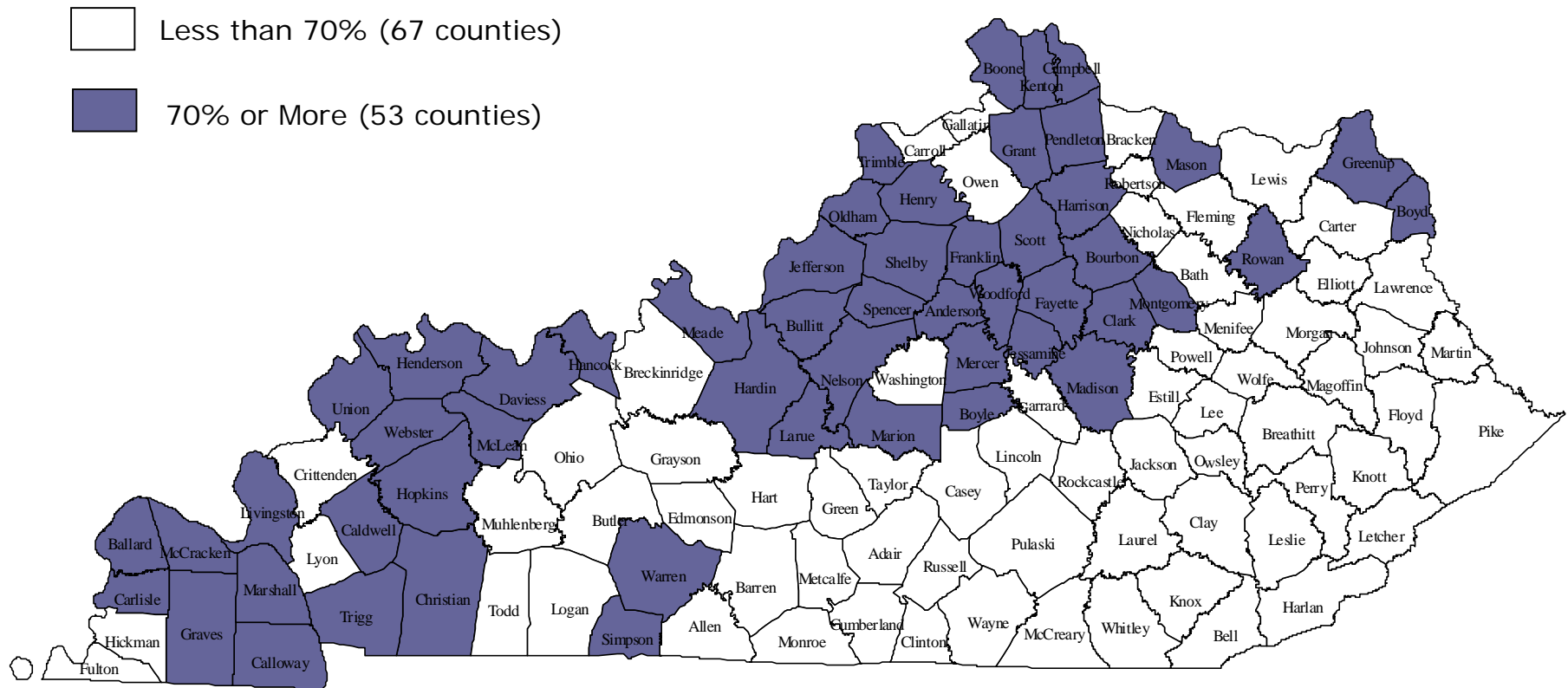
Percent of Adults with a High School Diploma or GED by State, 2000



Percent of Adults 25 and Older with At Least a High School Diploma or GED, 1990

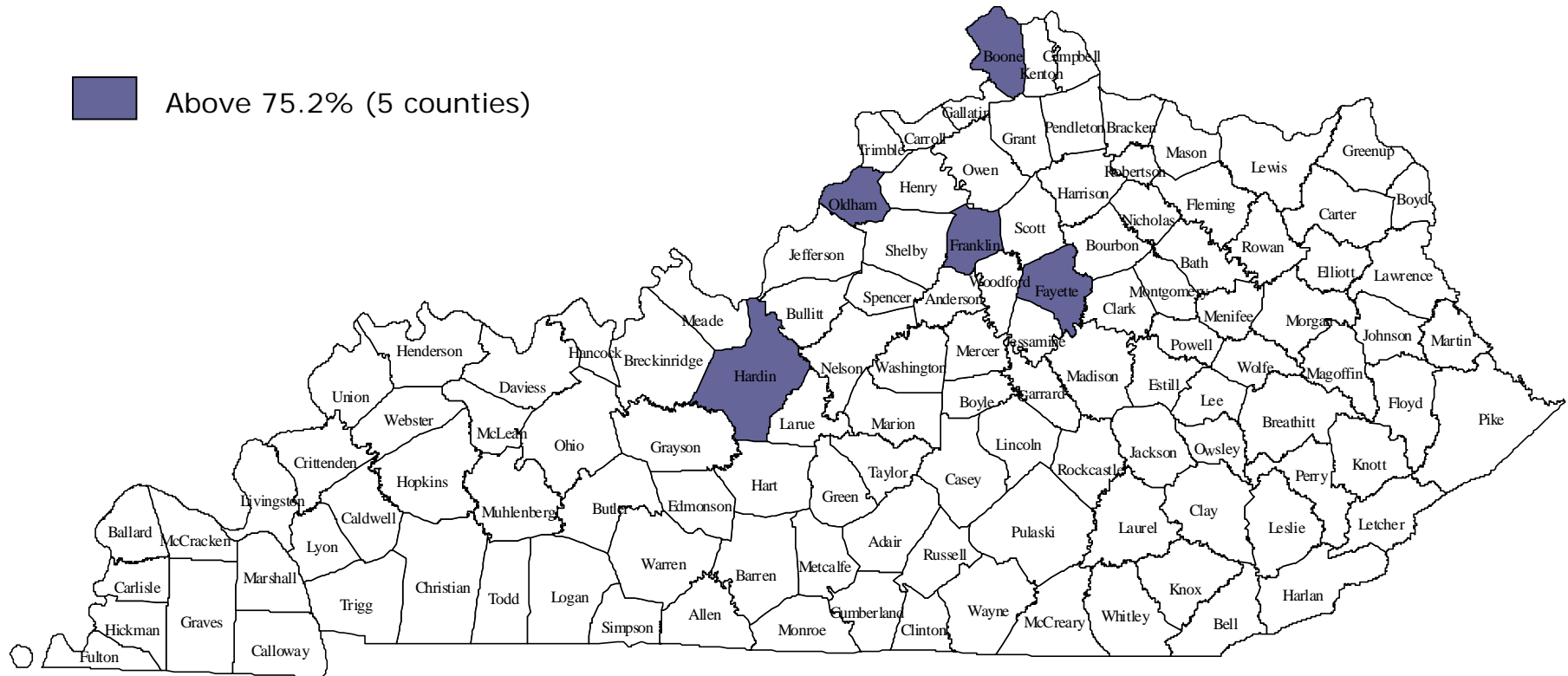


Percent of Adults 25 and Older With a High School Diploma or GED, 2000

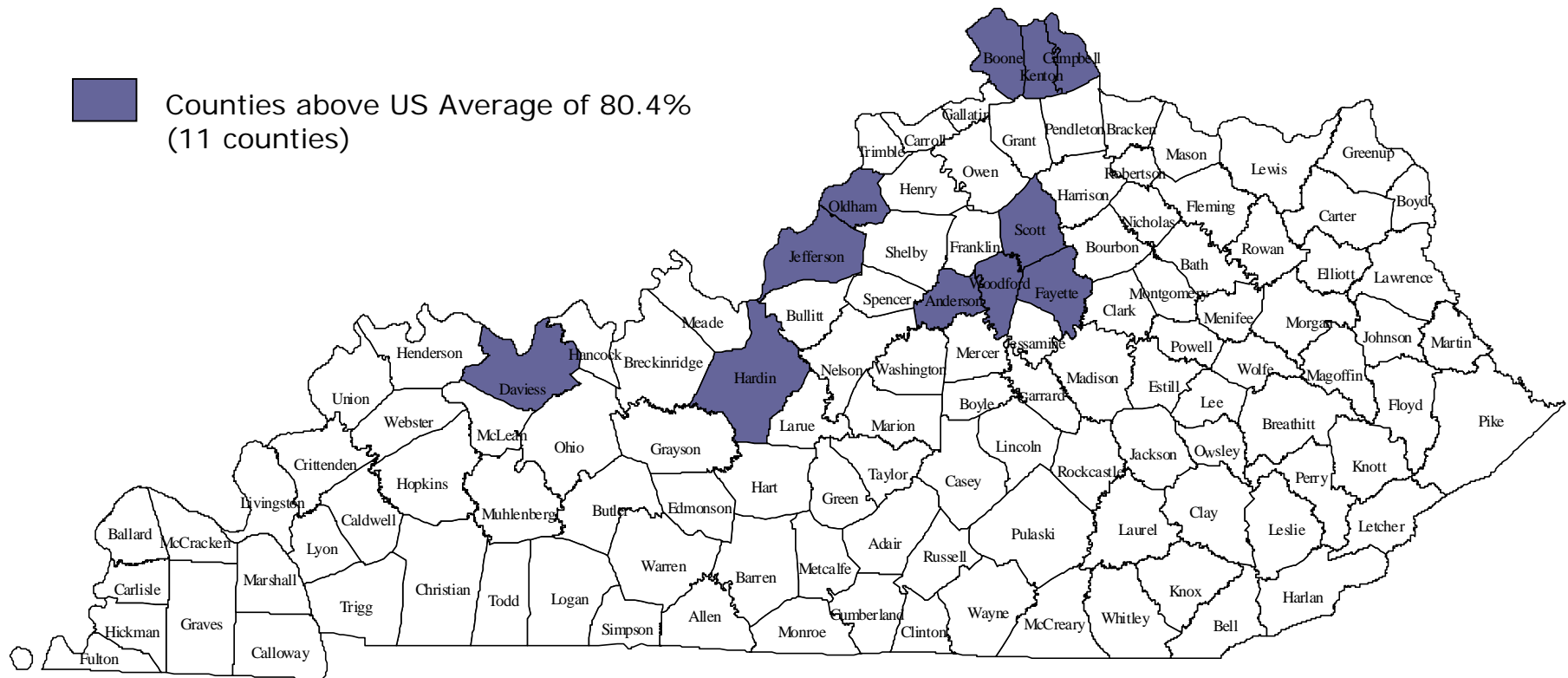


Source: U.S. Census Bureau

Counties Above US Average in Percent of Adults 25 and Older With a High School Diploma or GED, 1990

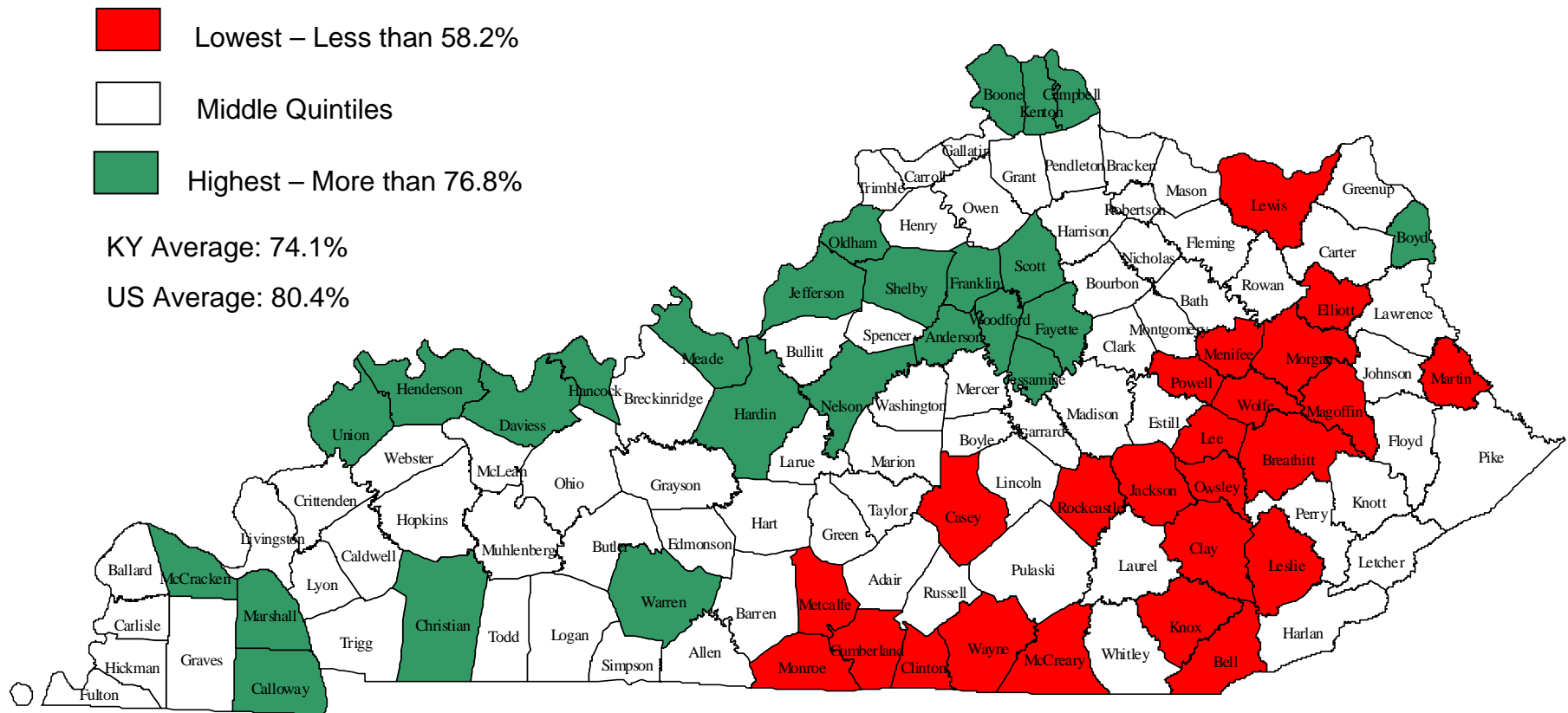


Counties Above US Average in Percent of Adults 25 and Older with a High School Diploma or GED, 2000



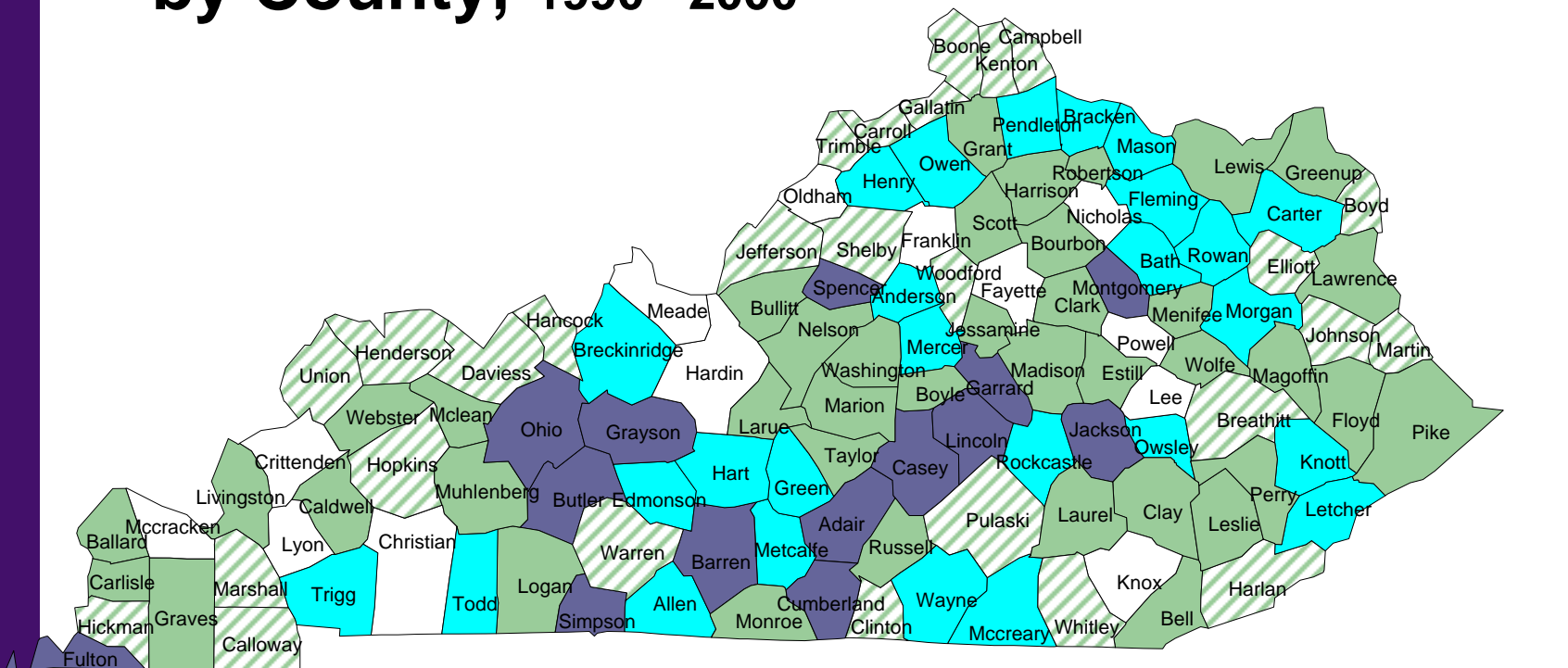
Percent of Adults 25 and Older With High School Diploma or GED, 2000

Quintile Range



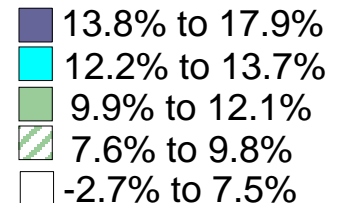
Source: Kentucky State Data Center, U.S. Census Bureau

Change in Percent of Adults 25 and Older With at Least a High School Diploma or GED, by County, 1990 - 2000

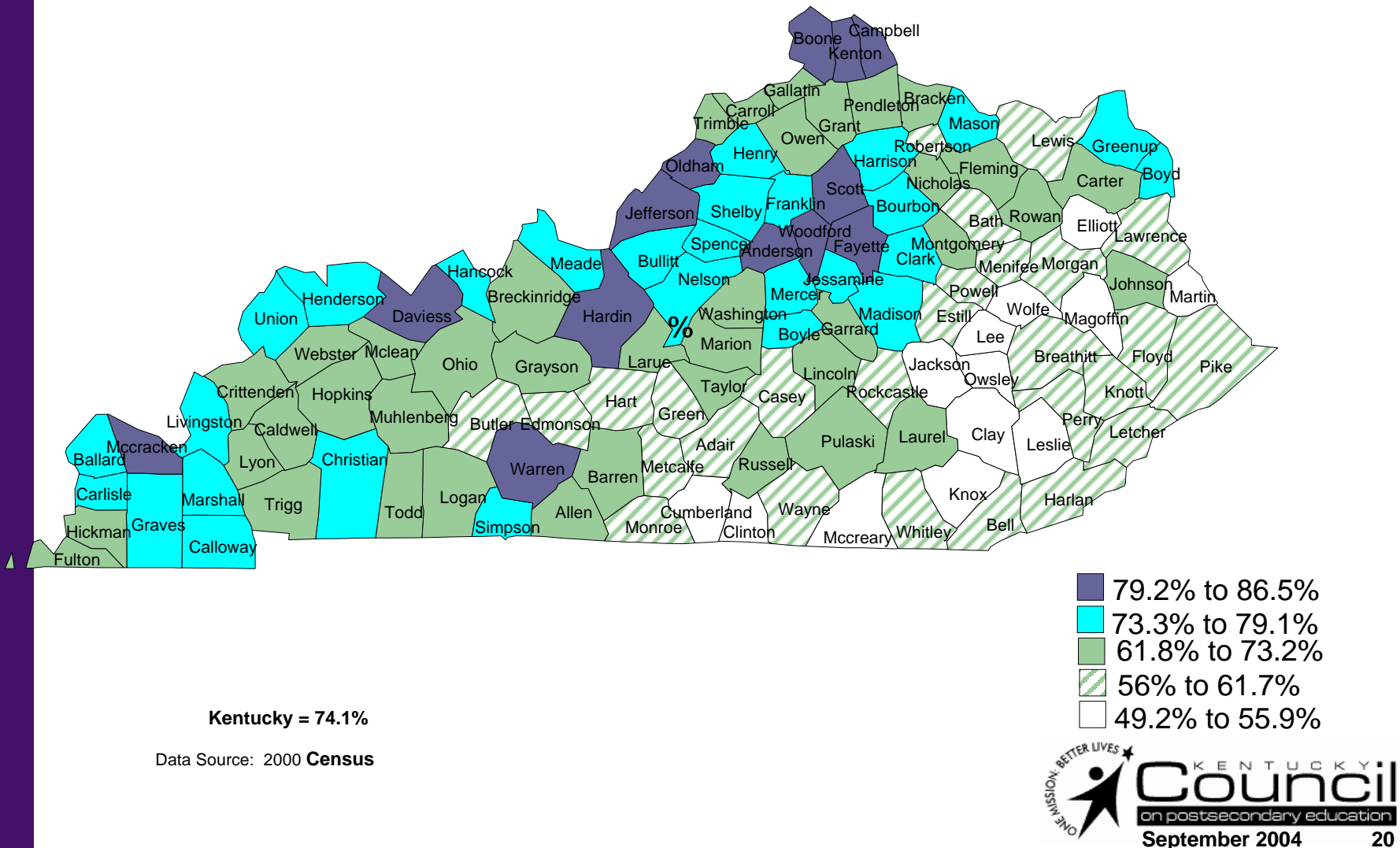


Kentucky = 9.5%

Data Source: 1990, 2000 Census



Percent of Adults 25 and Older With a High School Diploma or GED, 2000



Educational Attainment

- Baccalaureate Degree and Higher

Percent of Adults with a Bachelor's Degree or Higher by State

25 Years of Age and Older

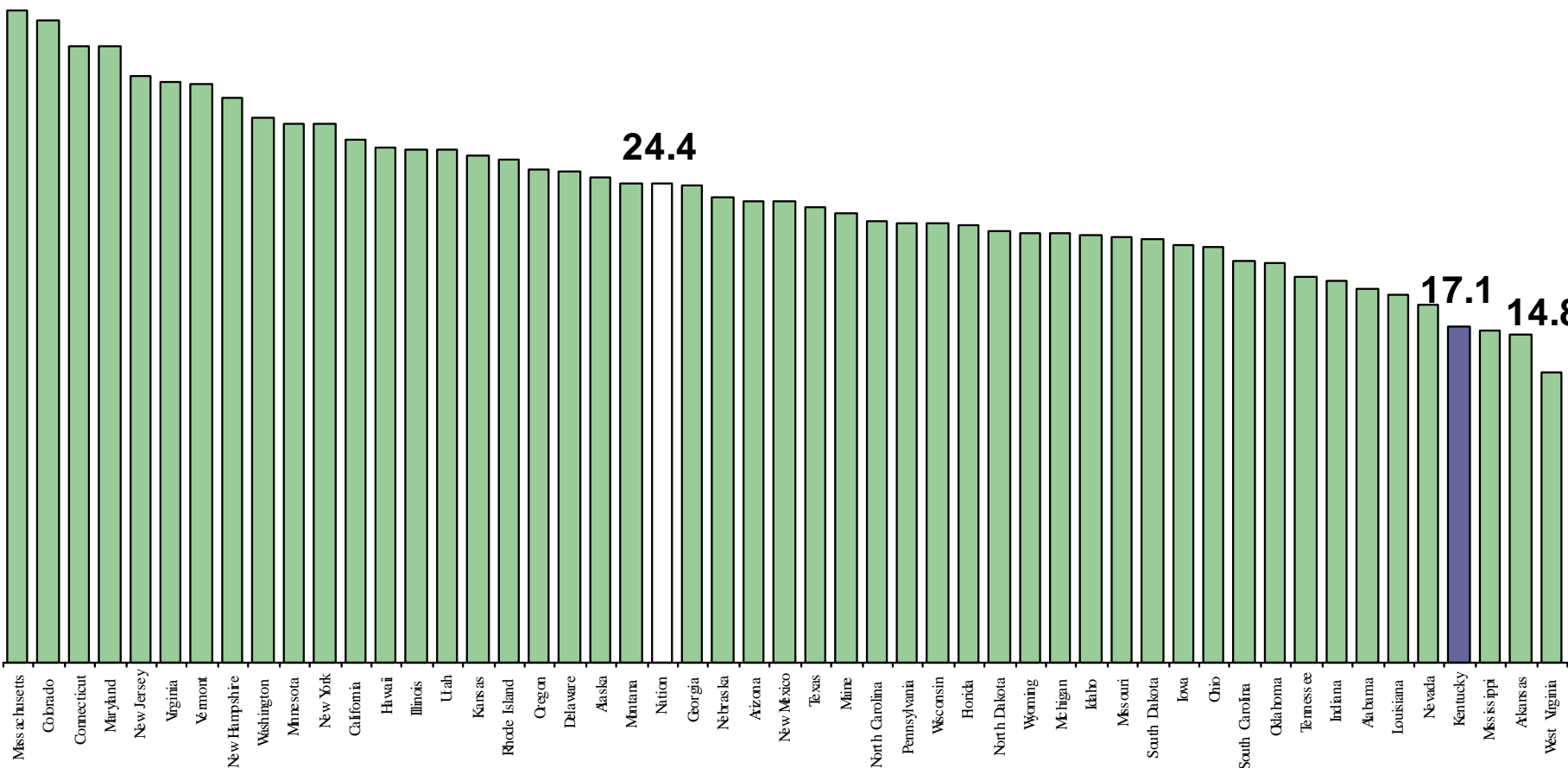
Top State

33.2

24.4

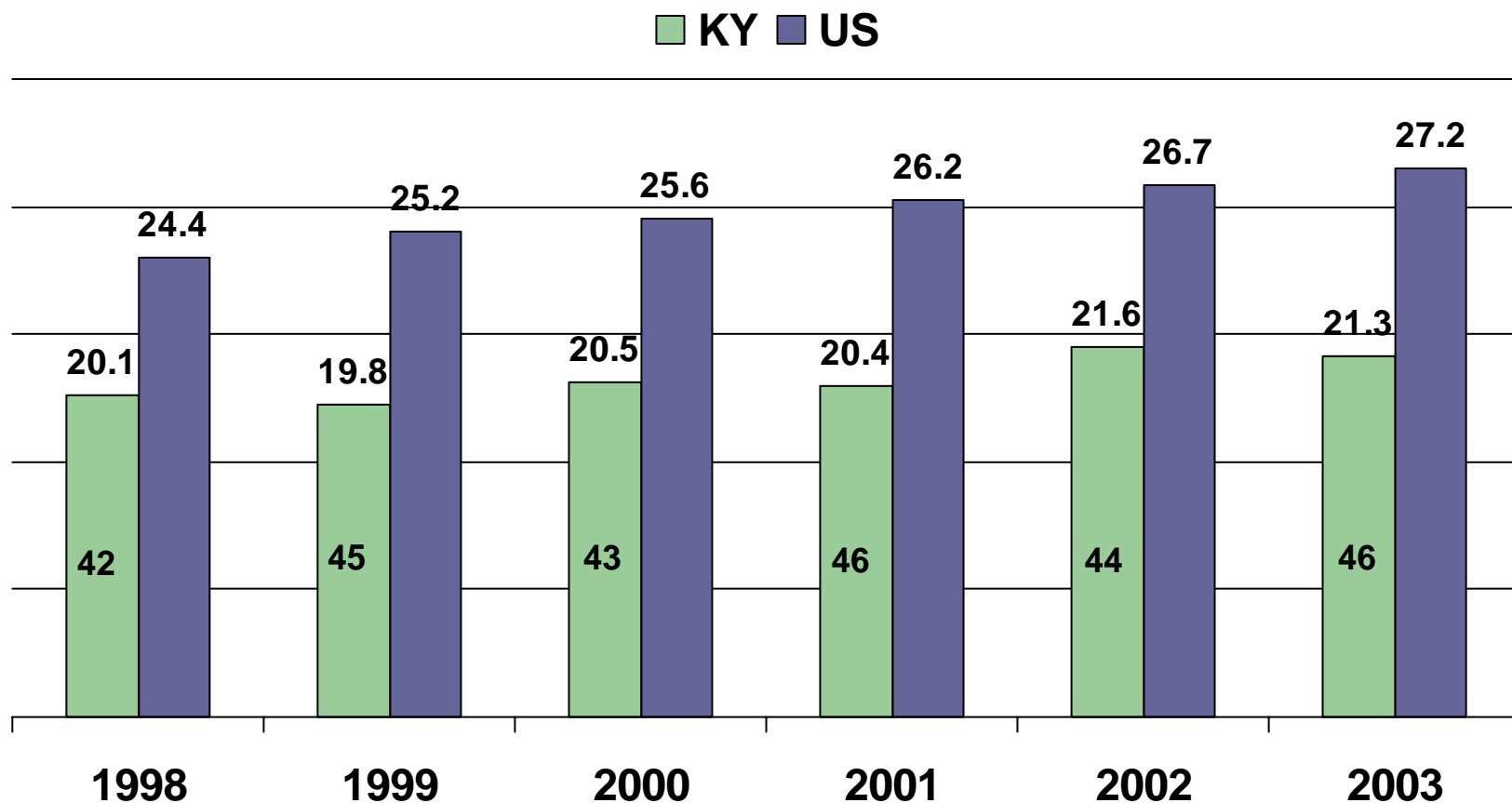
17.1

14.8



Kentucky's Educational Attainment

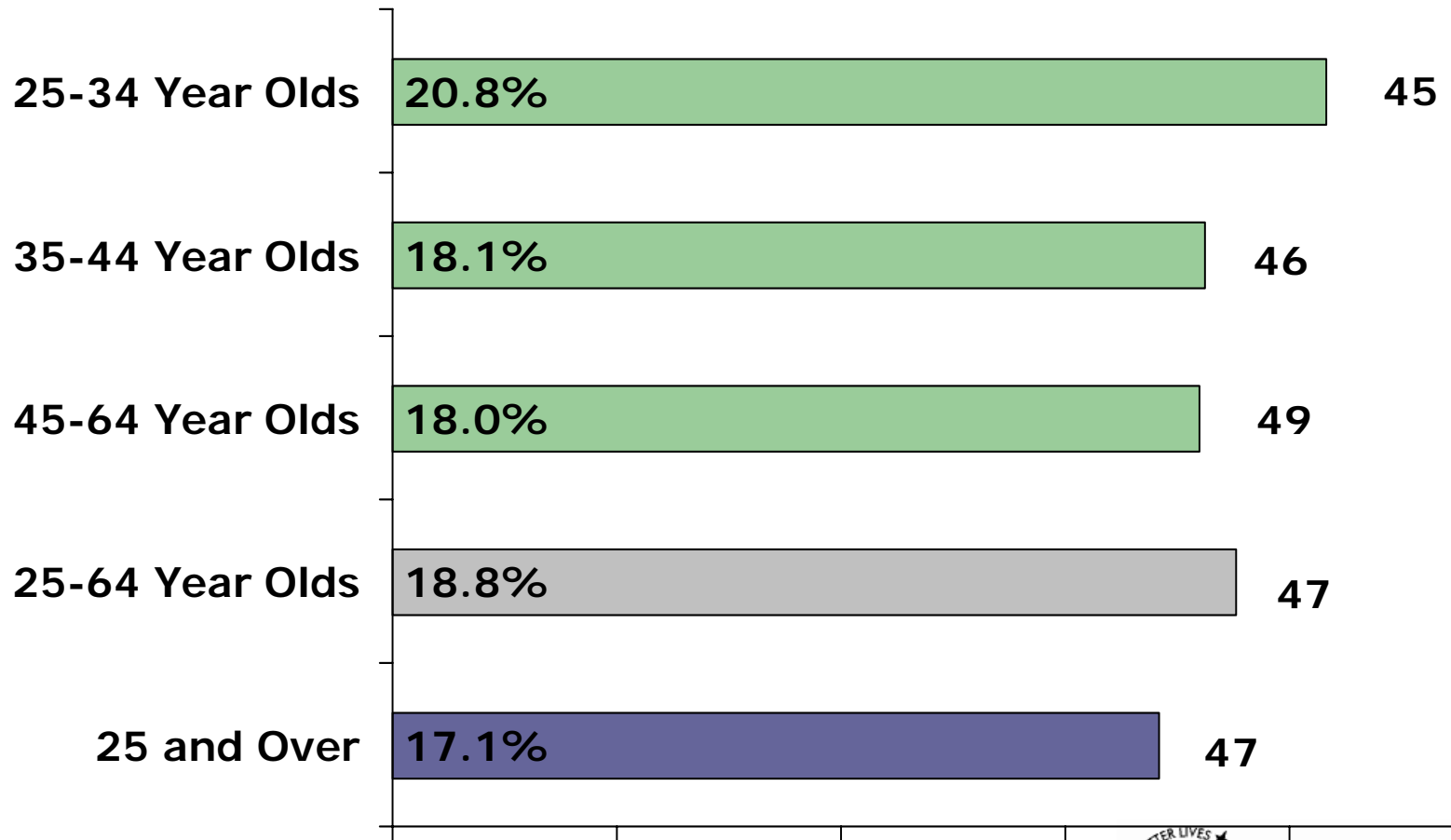
25 and older, Bachelor's Degree or Higher



Source: US Census Bureau Current Population Survey

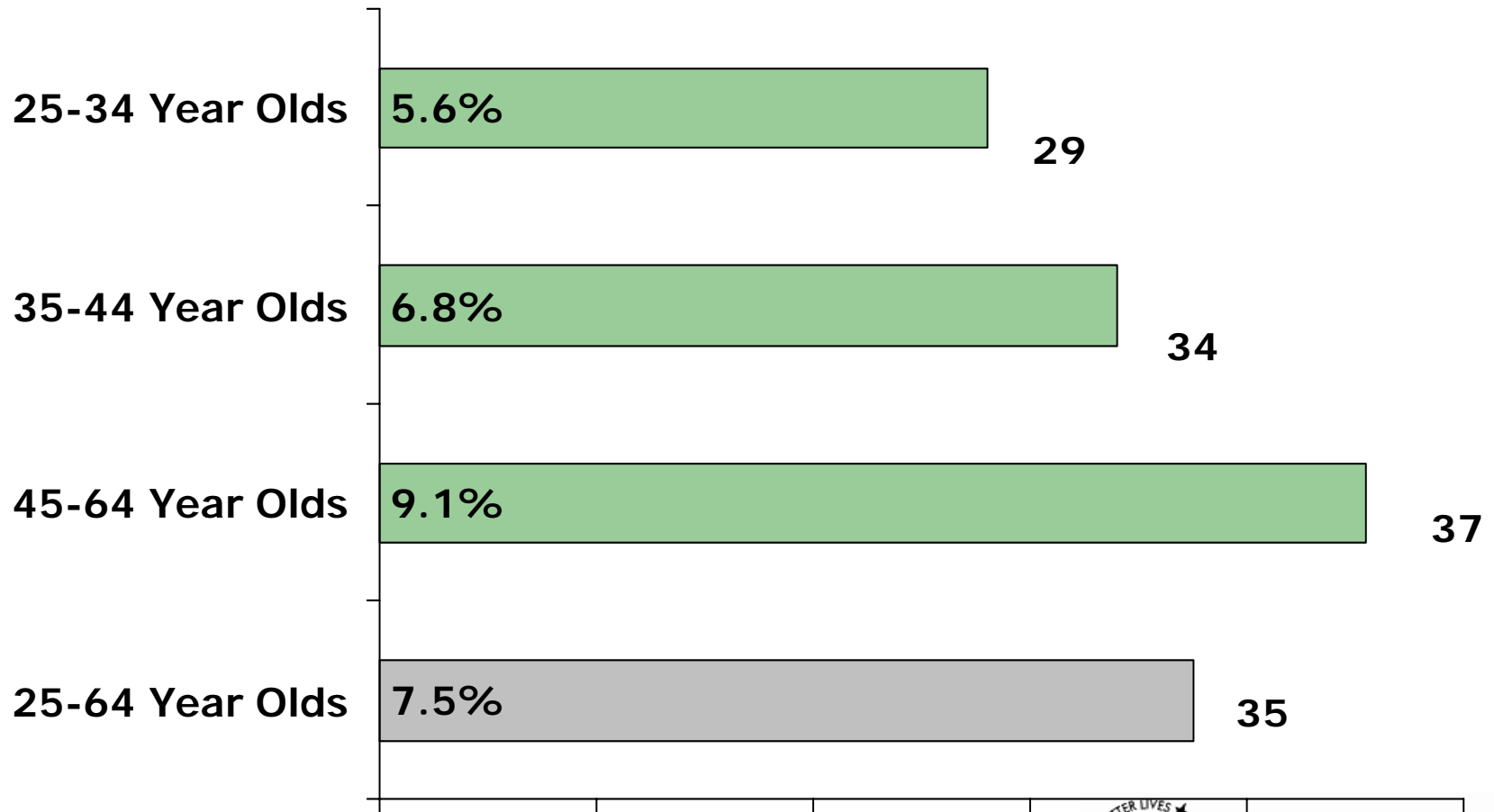
Kentucky Educational Attainment and State Rank by Age, 2000

Percent with a Bachelor's Degree or Higher



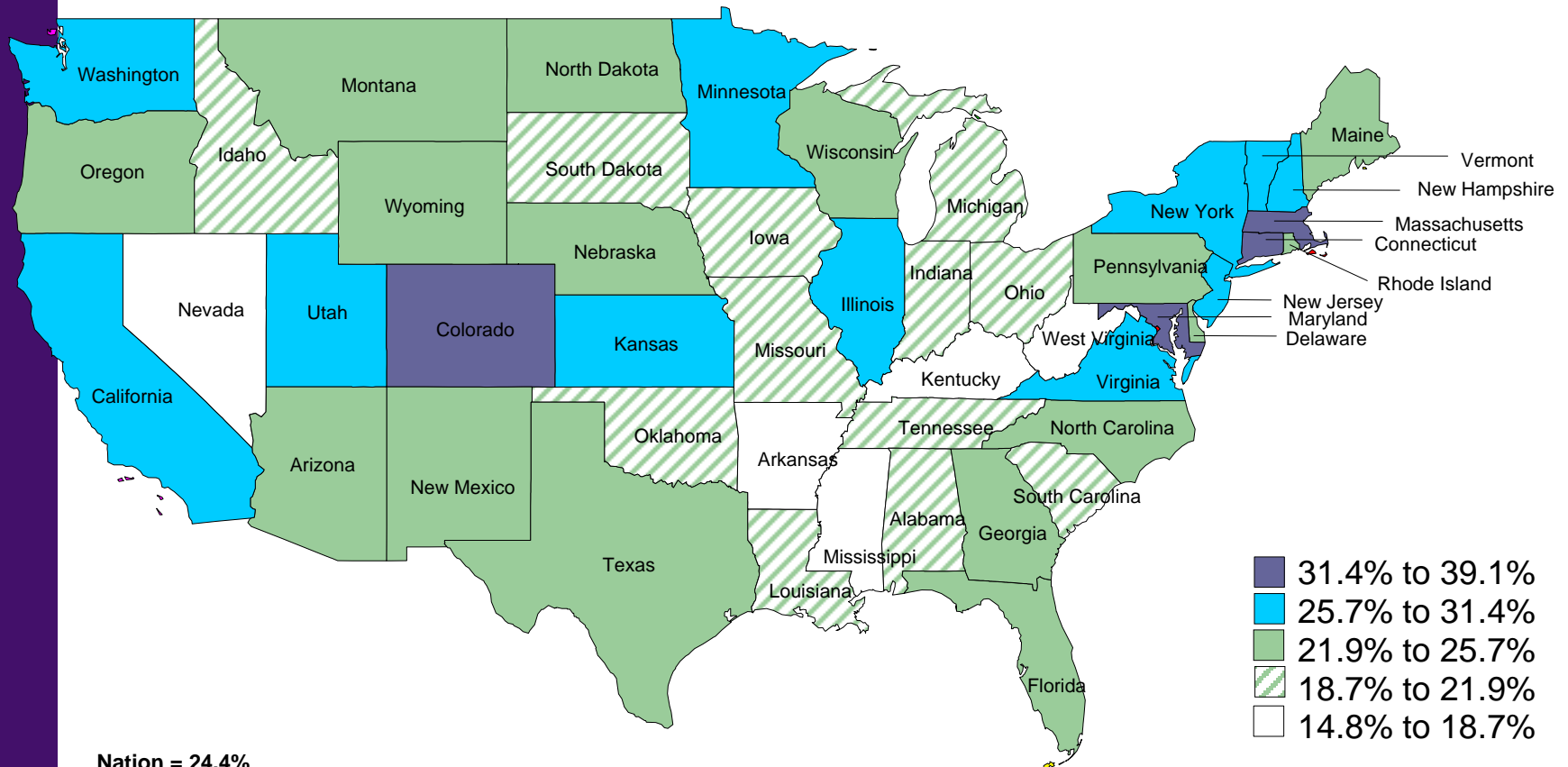
Kentucky Educational Attainment and State Rank by Age, 2000

Percent with a Graduate or Professional Degree



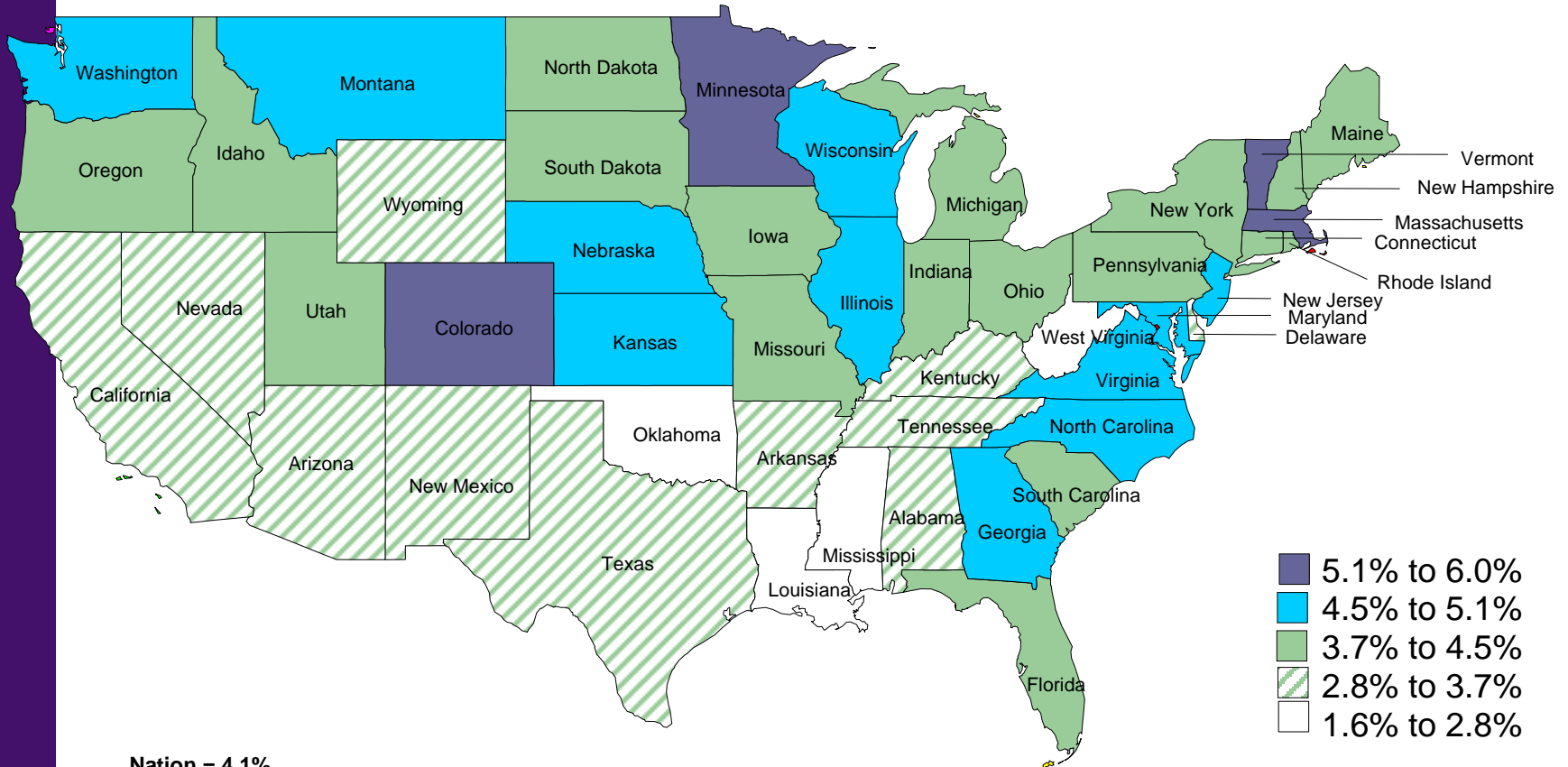
Source: U.S. Census Bureau

Percent of Adults with a Baccalaureate Degree or Higher, by State, 2000



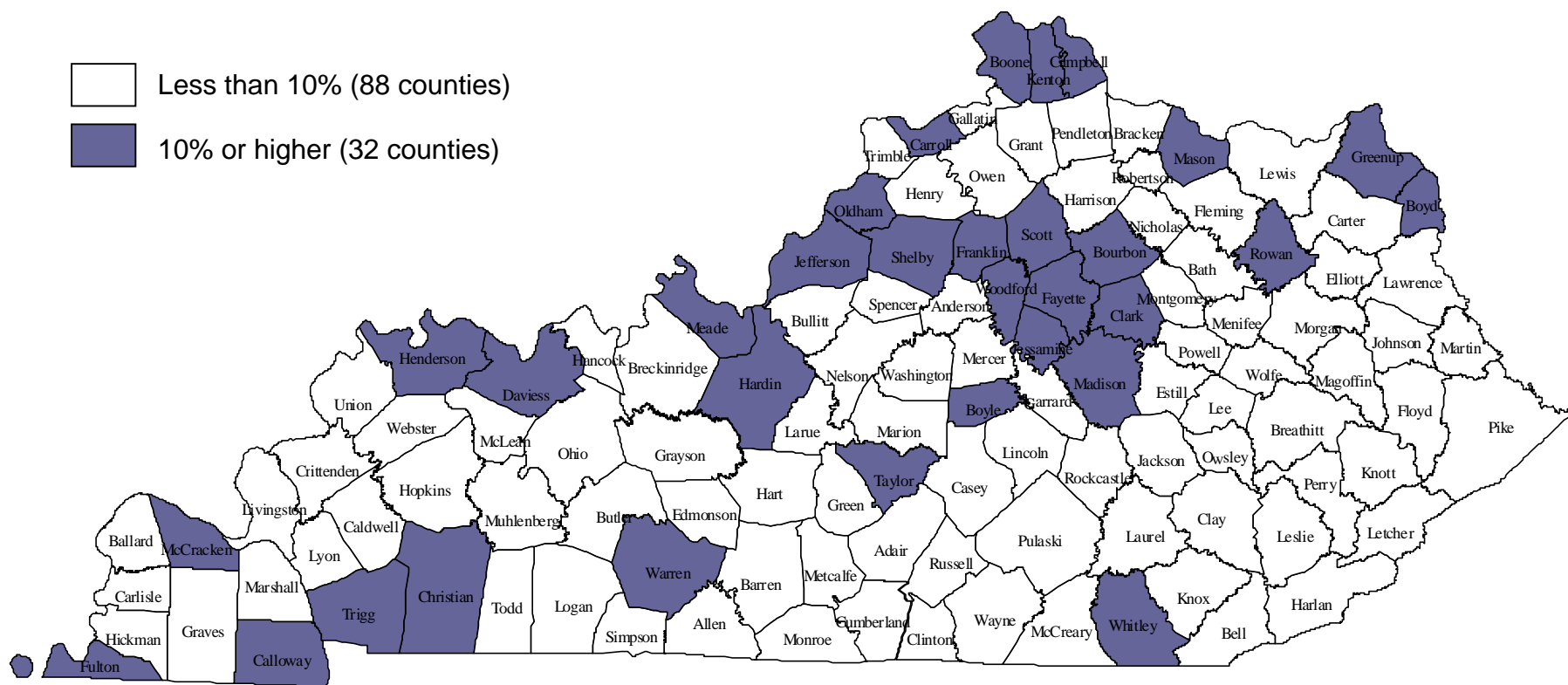
Nation = 24.4%
 Alaska = 24.7%
 Hawaii = 26.2%
 District of Columbia = 39.1%
 Data Source: 2000 Census

Change in Percent of Adults with a Baccalaureate Degree or Higher by State, 1990-2000



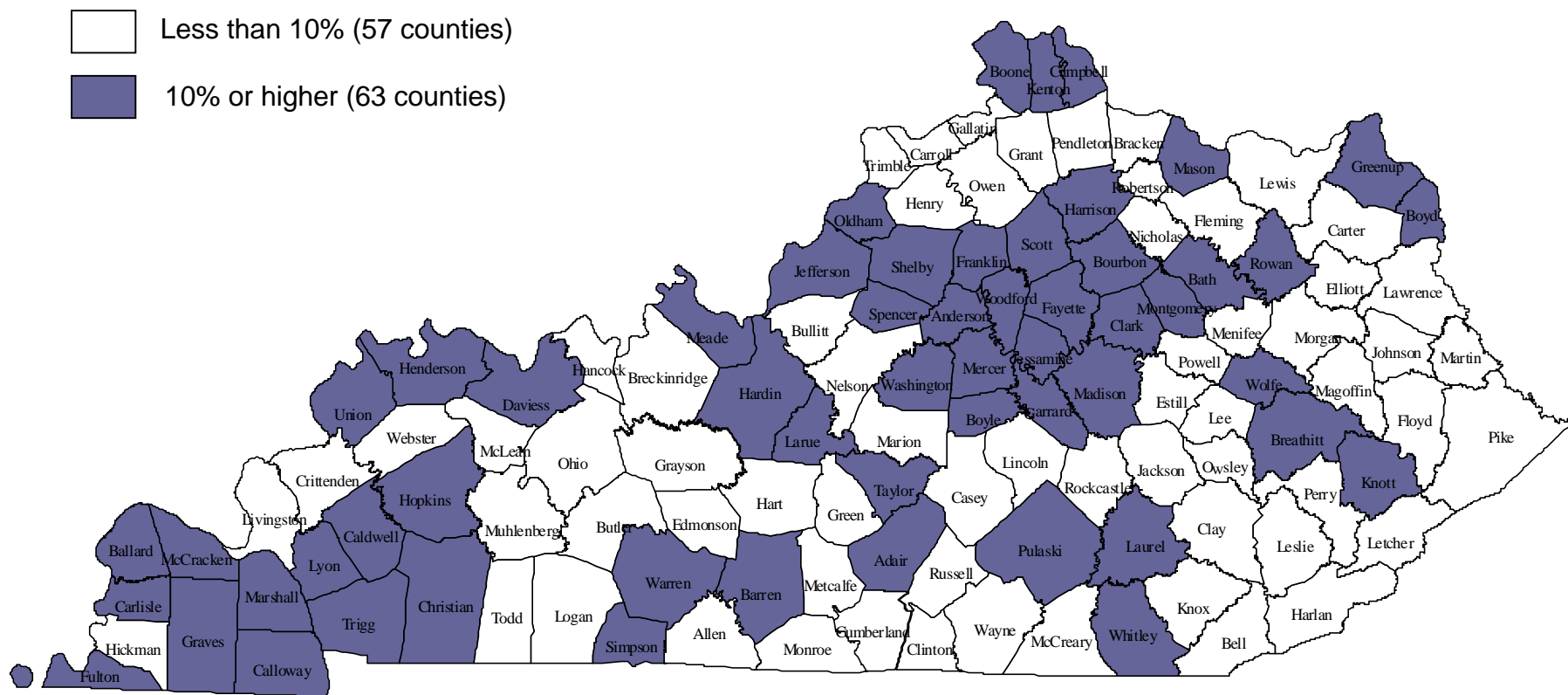
Nation = 4.1%
 Alaska = 1.7%
 Hawaii = 3.3%
 District of Columbia = 5.8%
 Data Source: 1990, 2000 Census

Percent of Adults 25 and Older with a Bachelors Degree or Higher, 1990



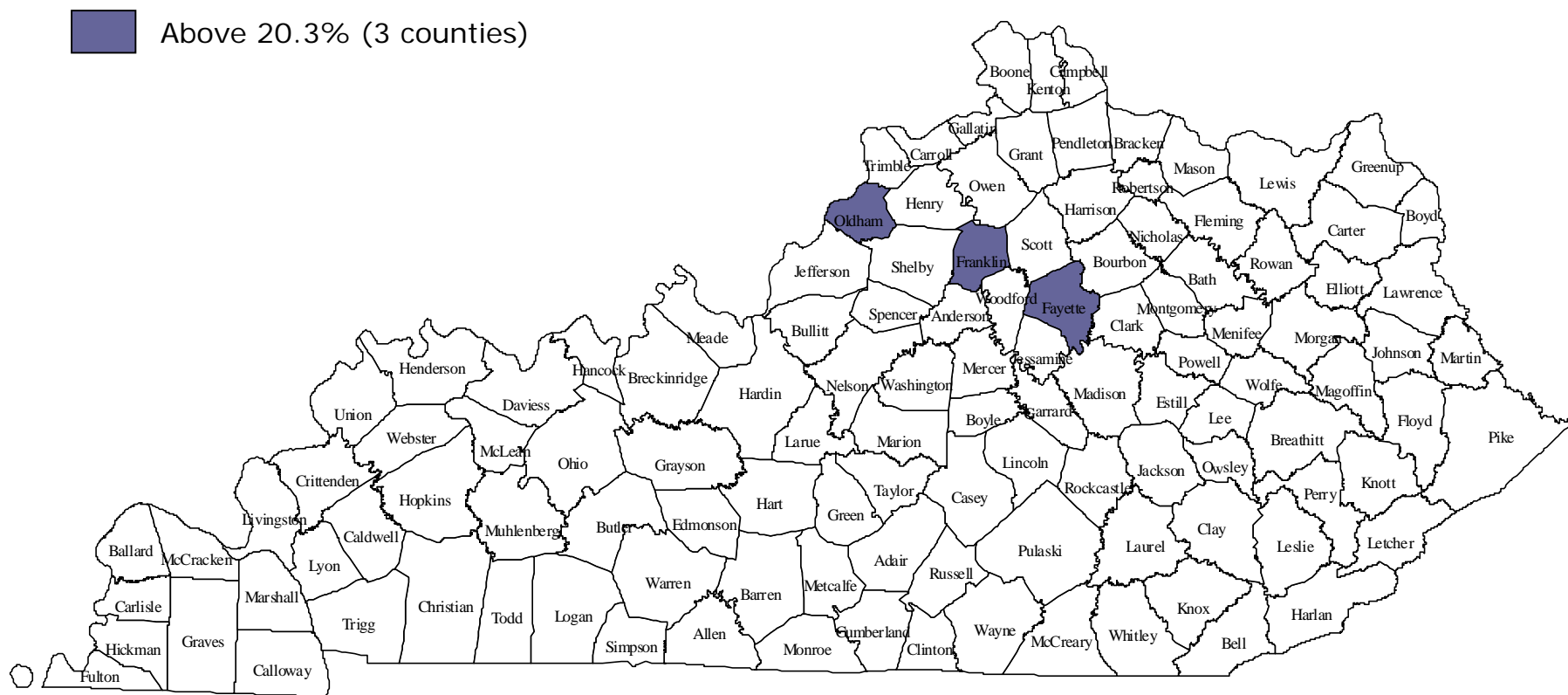
Source: U.S. Census Bureau

Percent of Adults 25 and Older with a Bachelors Degree or Higher, 2000

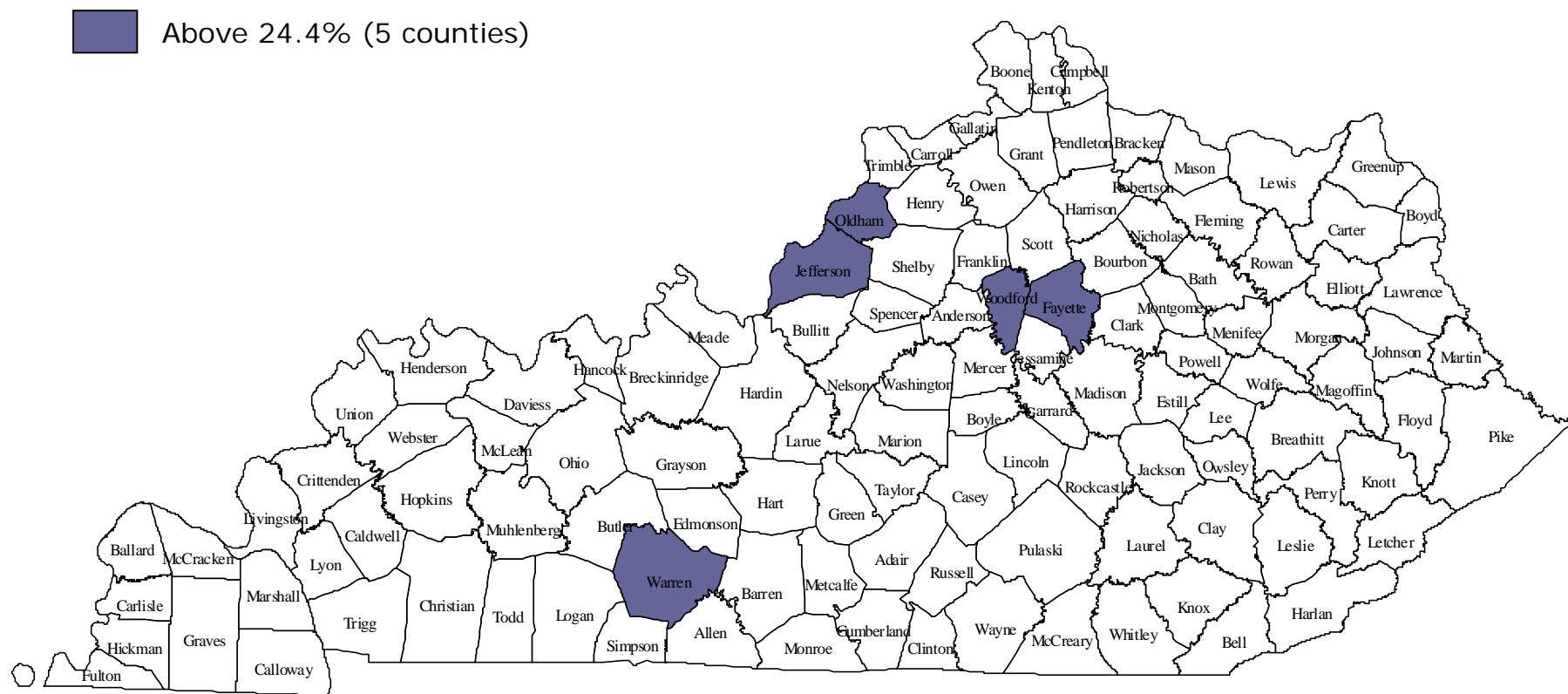


Source: U.S. Census Bureau

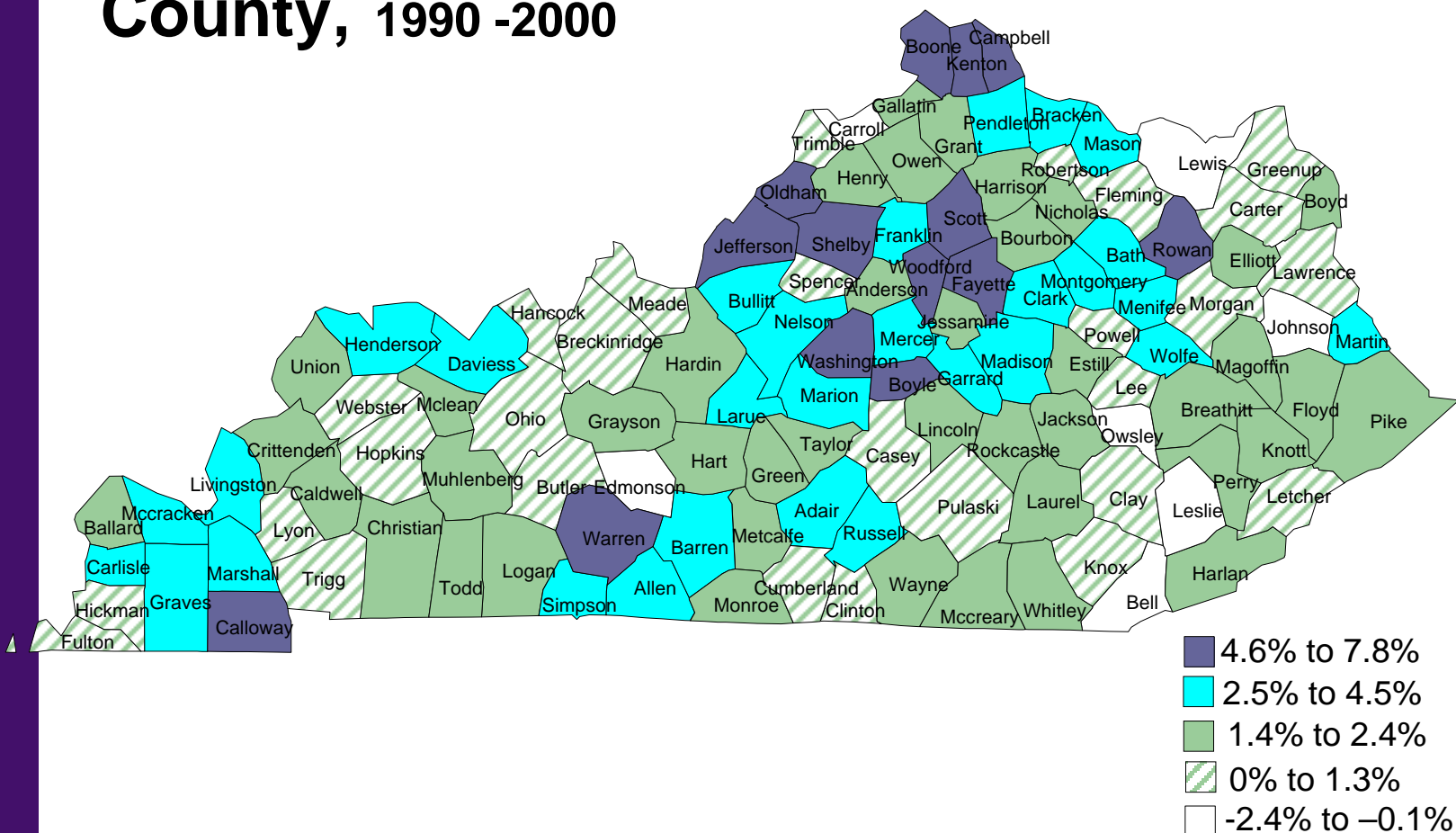
Percent of Adults 25 and Older with a Bachelor's Degree or Higher (Counties Above National Average), 1990



Percent of Adults 25 and Older with a Bachelor's Degree or Higher (Counties Above National Average), 2000



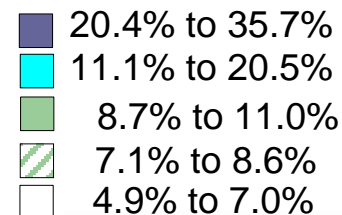
Change in Percent of Adults 25 and Older with a Baccalaureate Degree or Higher by County, 1990 -2000



Kentucky = 3.5%

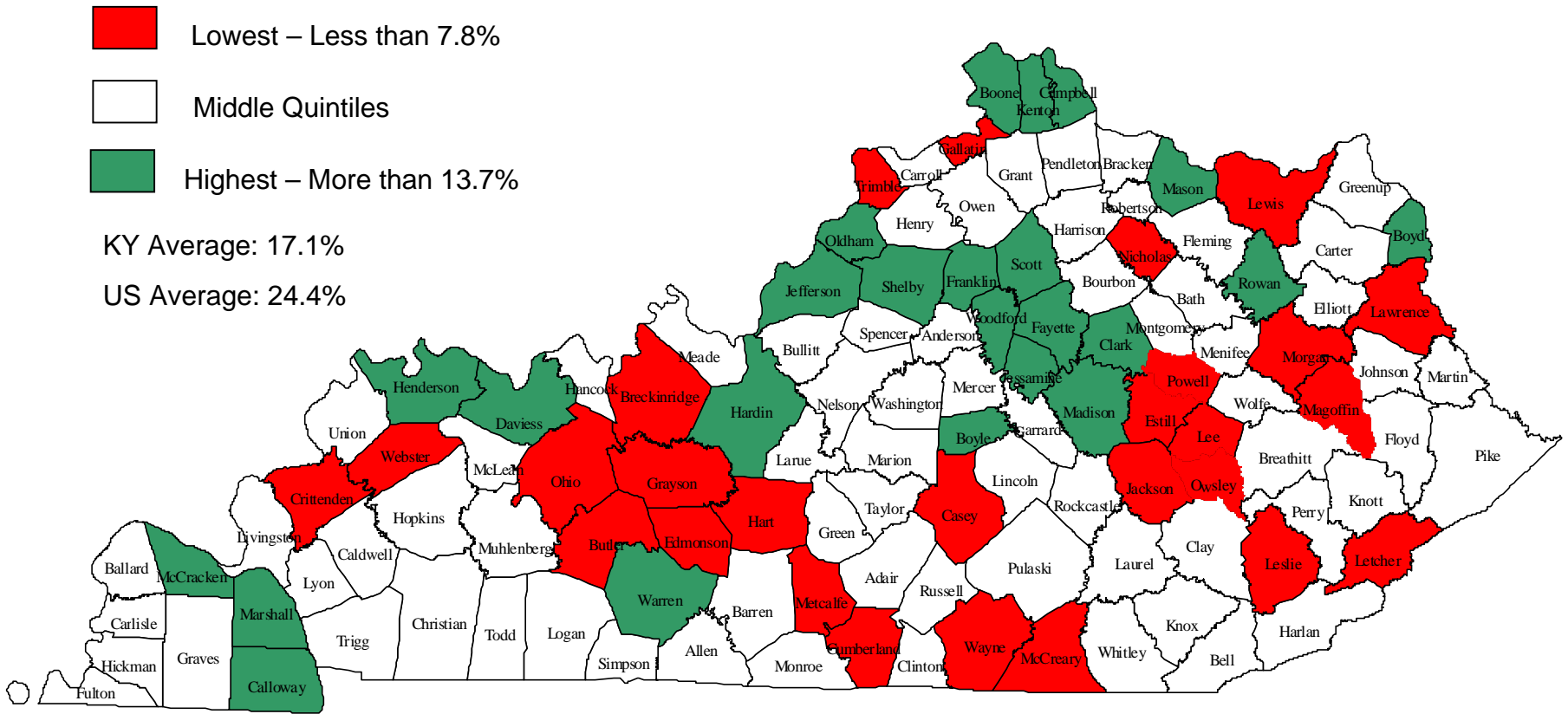
Data Source: 1990, 2000 Census

Kentucky = 17.1%
Data Source: 2000 Census



Educational Attainment, Percent of Population with Baccalaureate or Higher, 2000, 25 years and older

Quintile Range

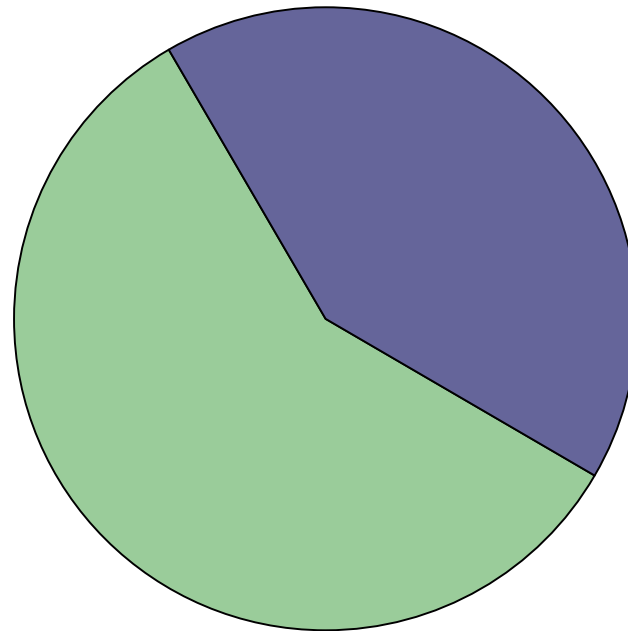


Source: Kentucky State Data Center, U.S. Census Bureau

Preparation for Postsecondary Education: Adult Education

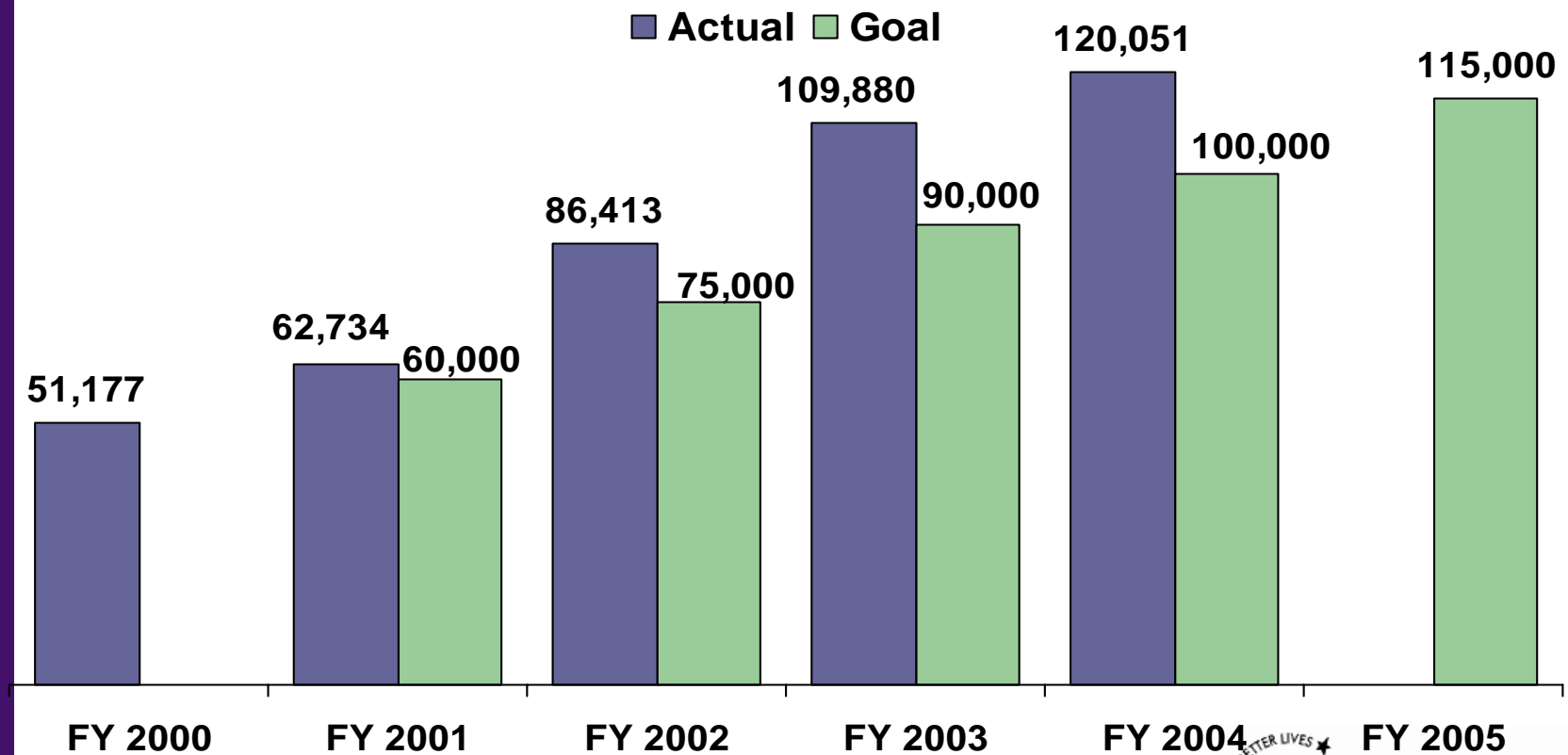
Kentucky Adult Literacy Survey

Out of 2.4 Million Working Age Adults



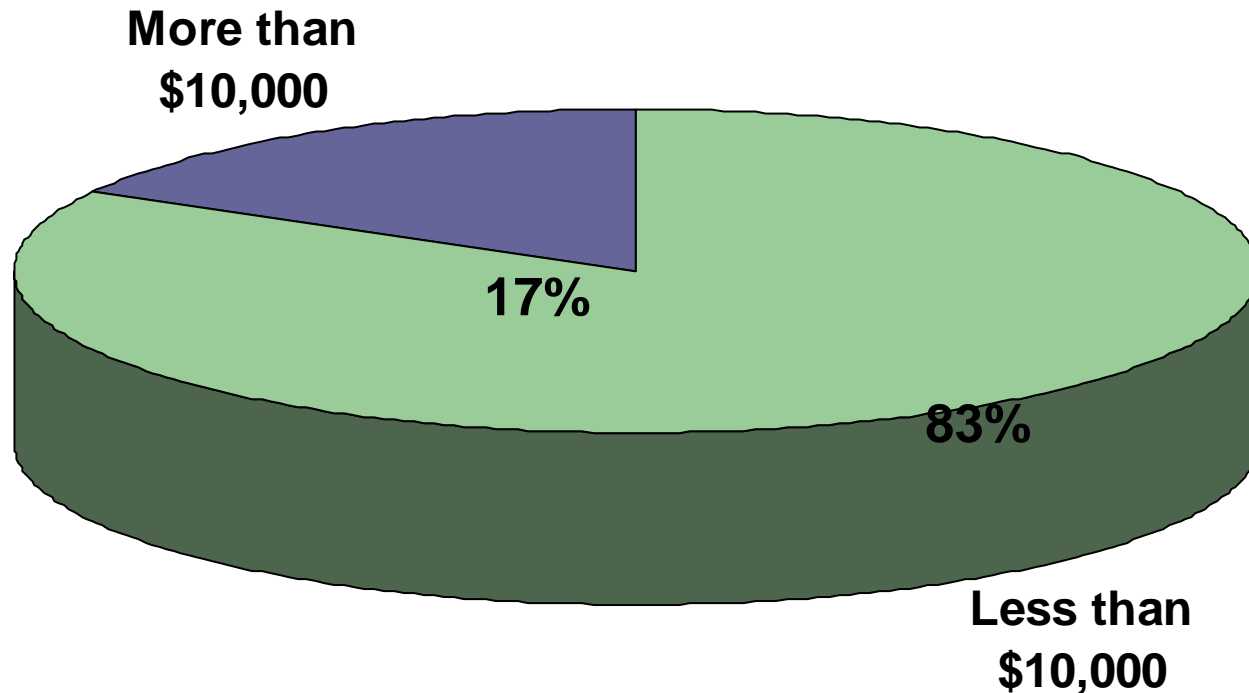
**1 Million read
poorly if at all**

Kentucky Adult Education Enrollment



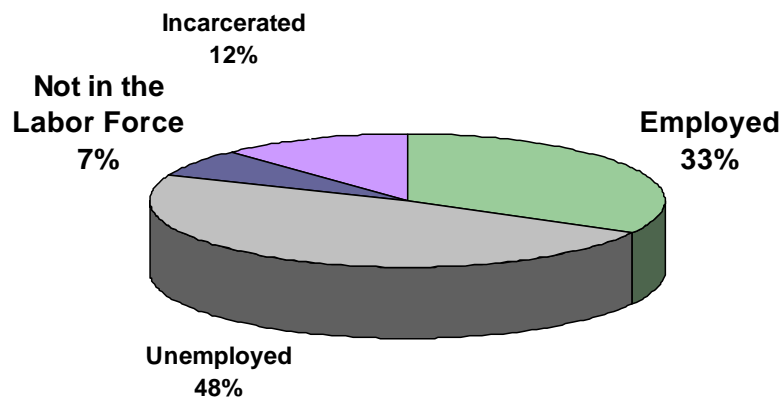
Source: Kentucky Adult Education

Reported Income of GED Examinees, 2003

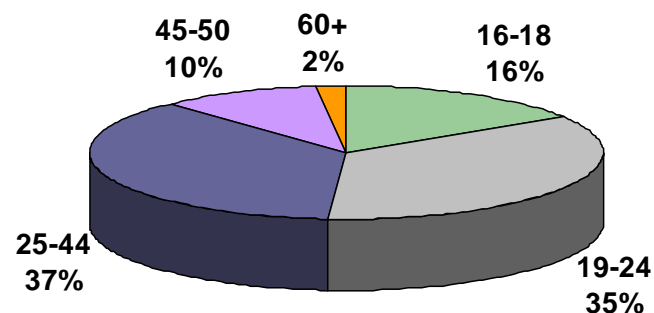


FY 2003 Adult Education Enrollment

Employment Status

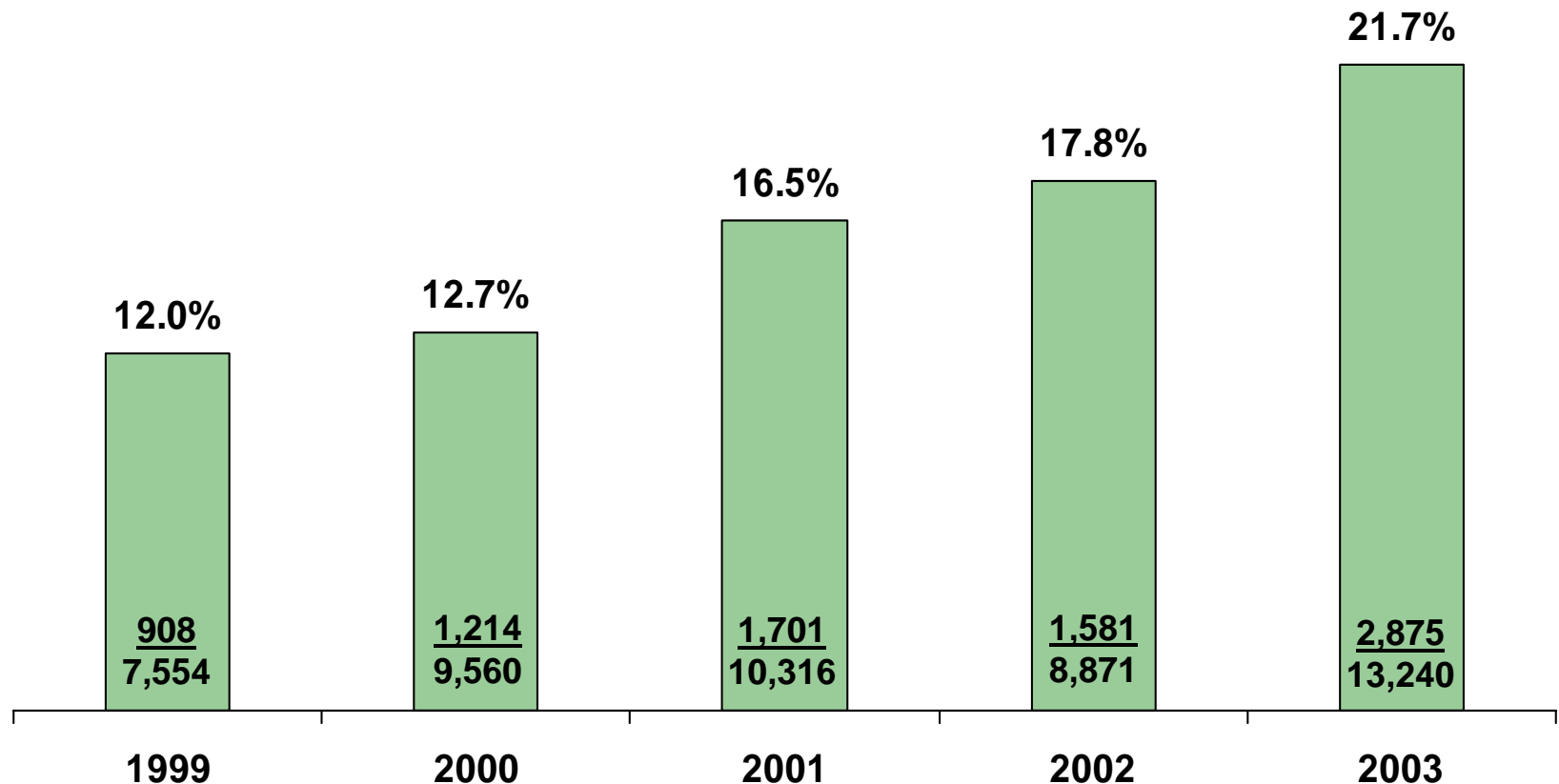


Age



Source: KYAE-CPE

College-Going Rate of GED Completers

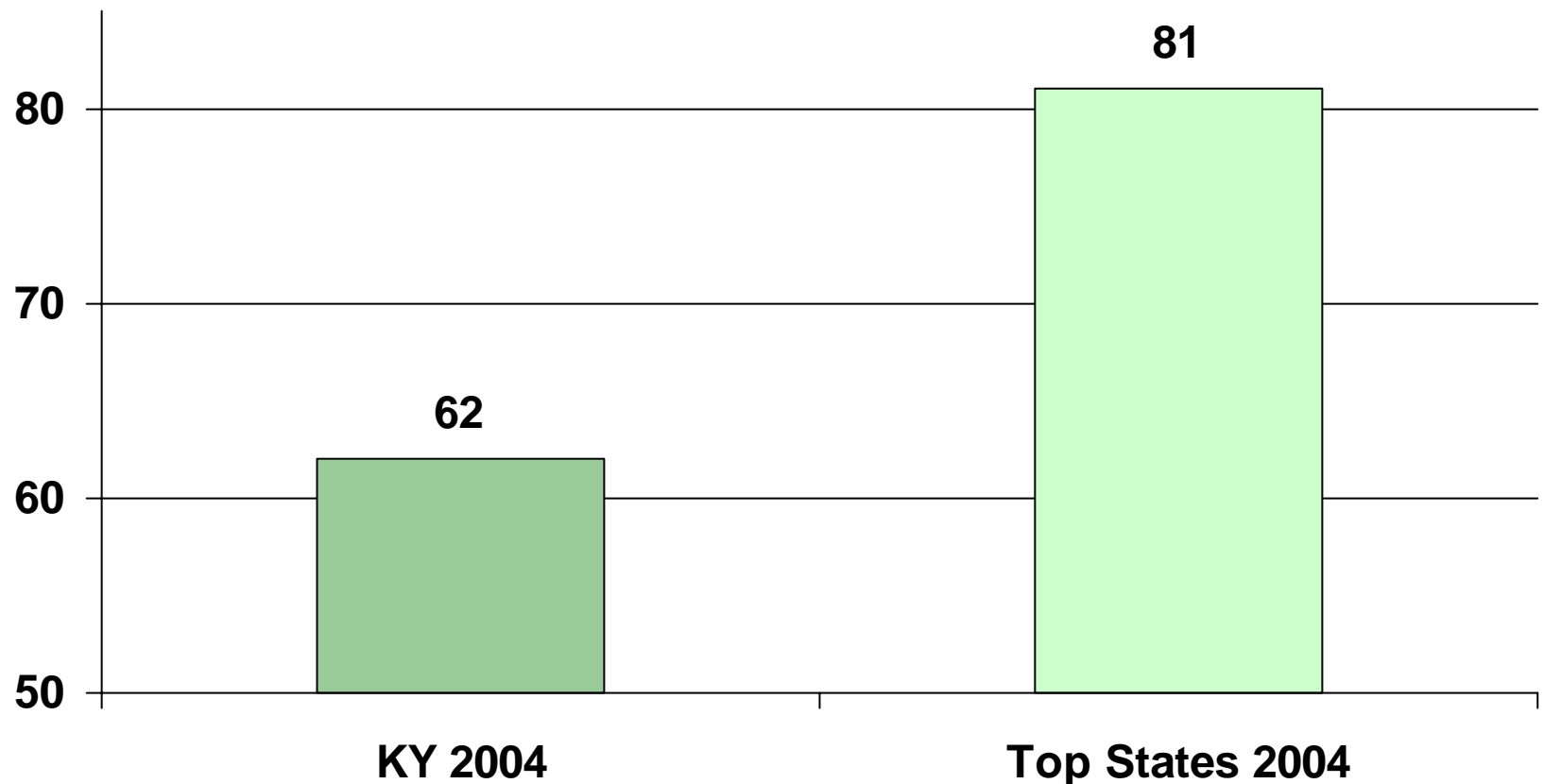


Note. Number of GED completers enrolled in any Kentucky postsecondary institution within two years of completing the GED.

Source: Kentucky Adult Education, Council on Postsecondary Education

Preparation for Postsecondary Education: High School

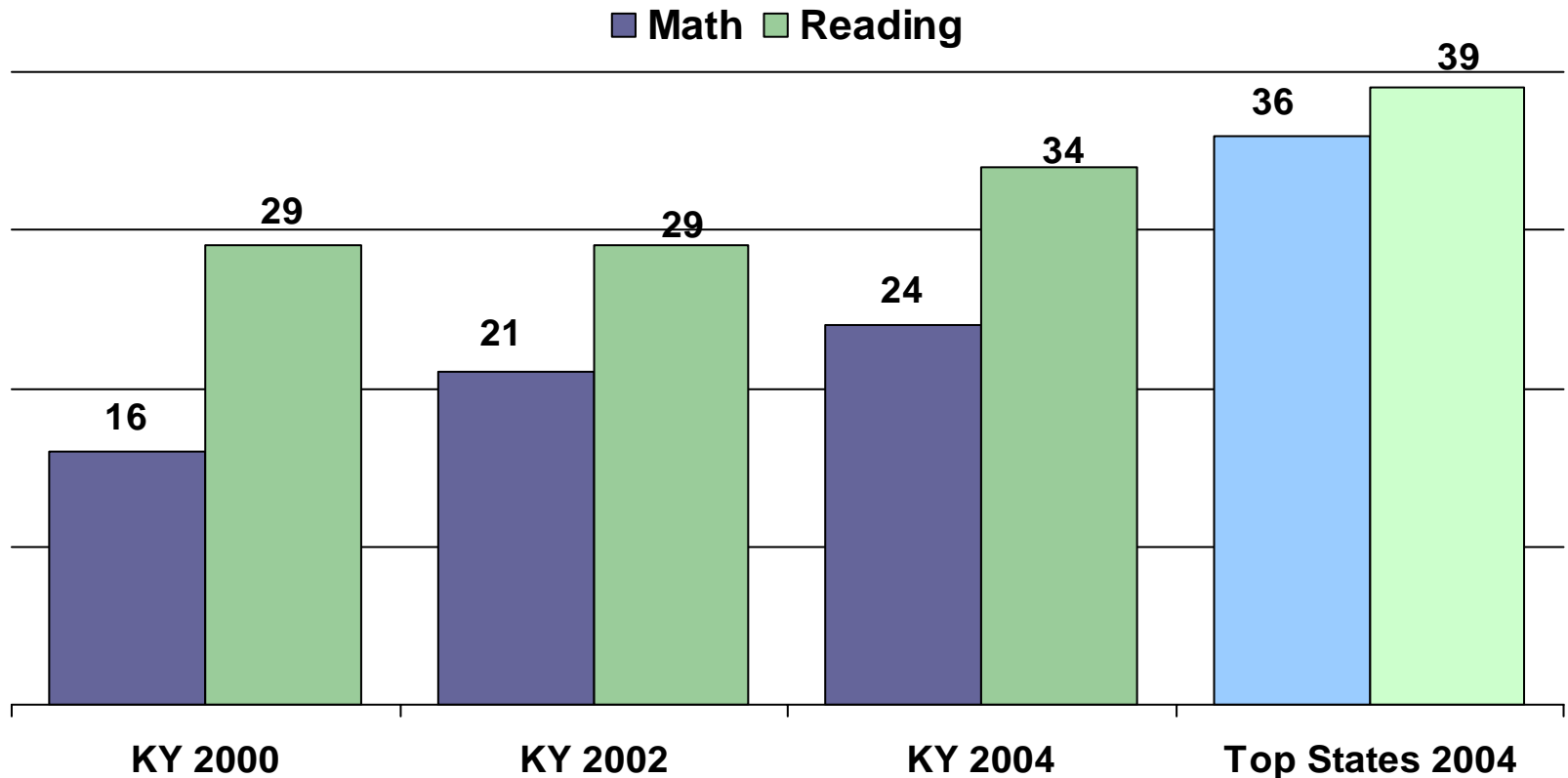
Percent of 7th to 12th Graders Taught by Teacher with Major in Field



Source: Measuring Up

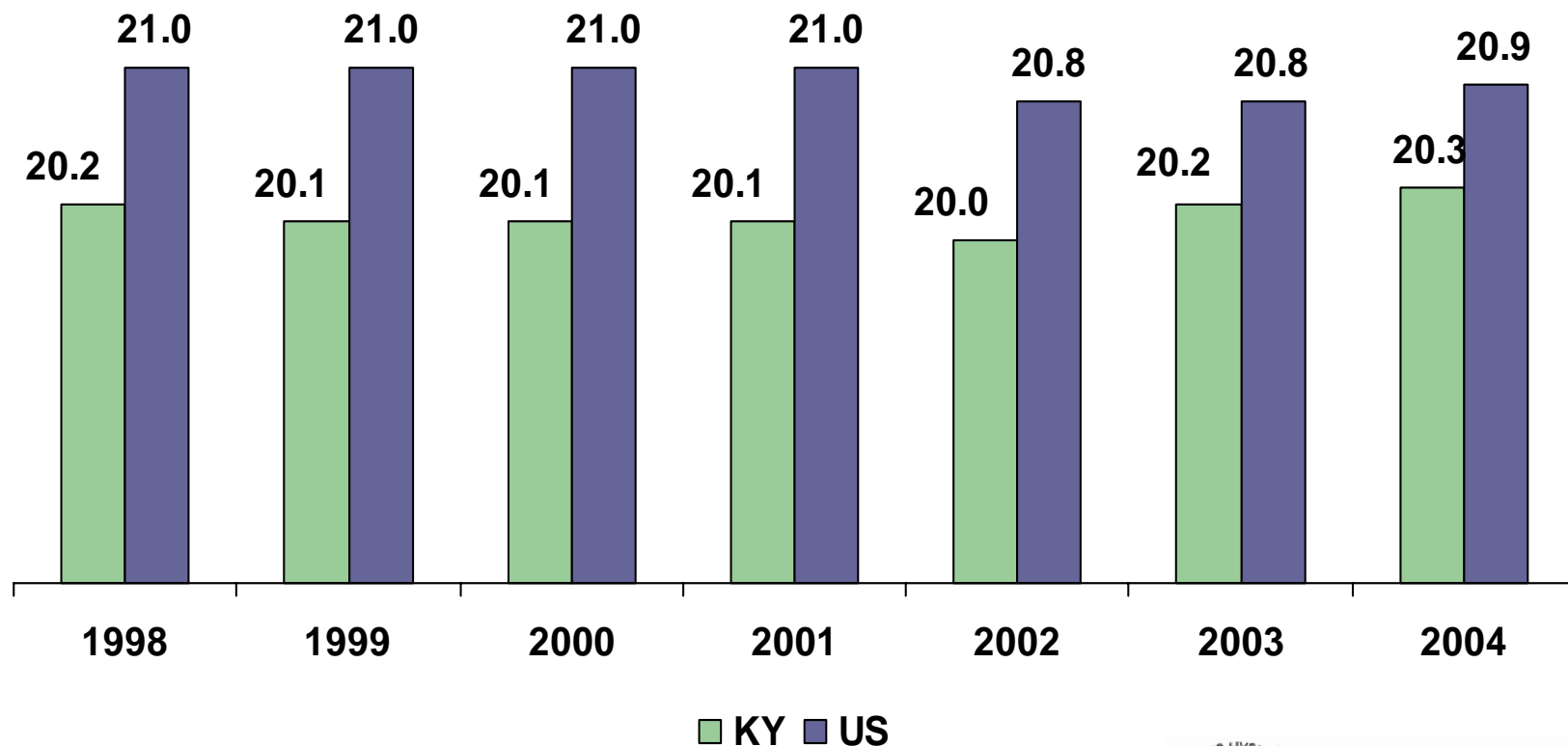
National Assessment of Educational Progress (NAEP)

Percent of 8th Graders Scoring at or above Proficient

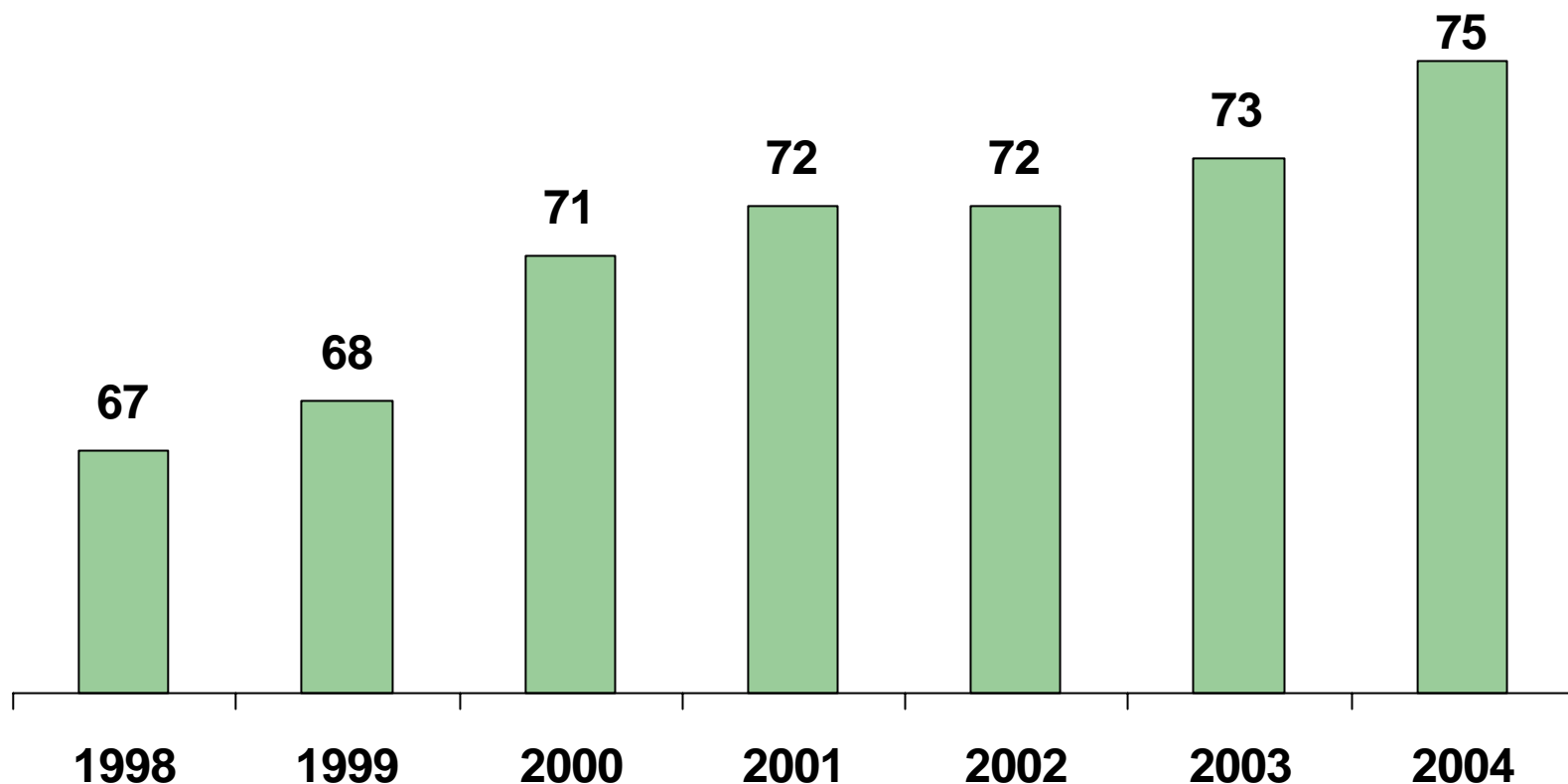


Source: Measuring Up

Average ACT Score of High School Graduates



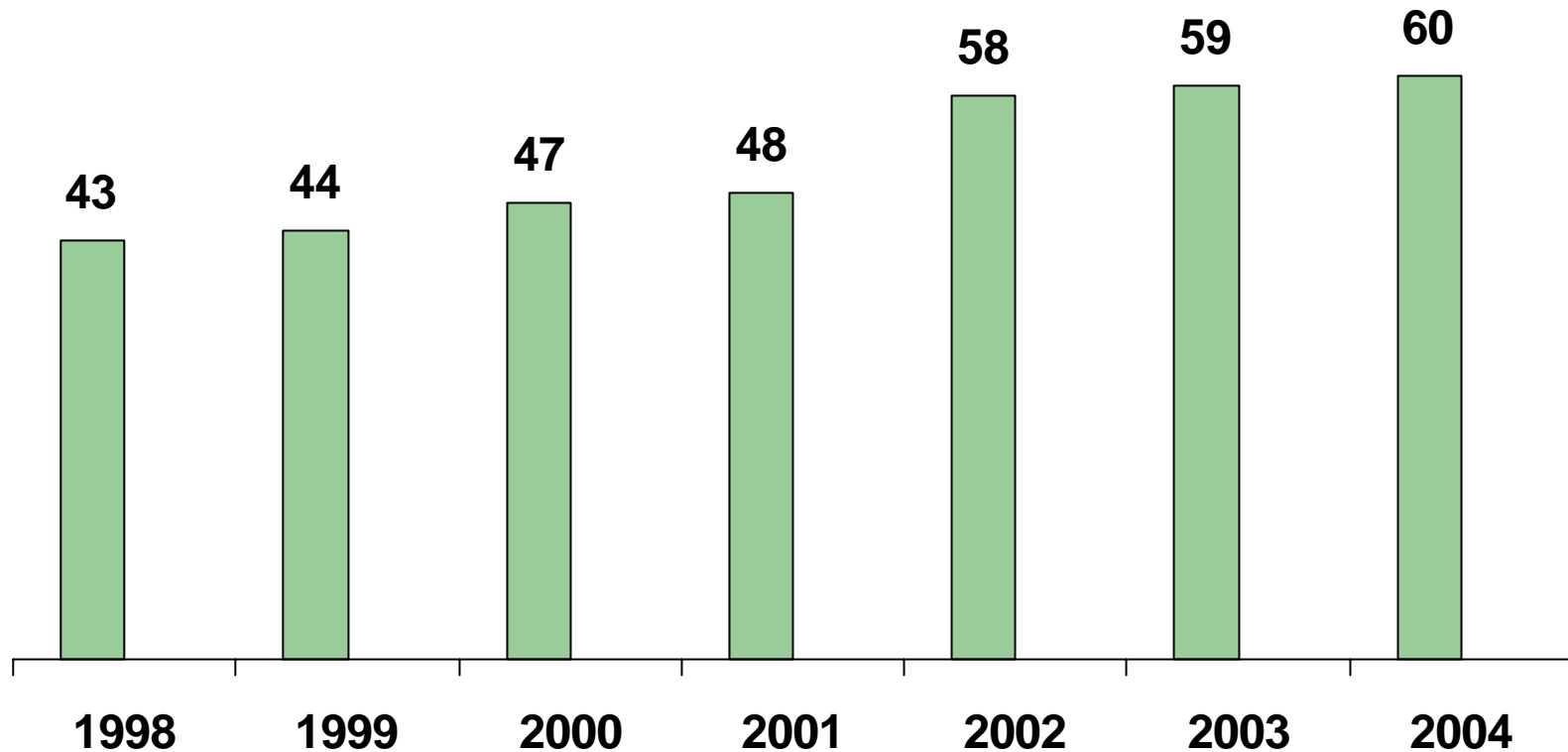
Percent of High School Graduates Taking the ACT



Source: ACT

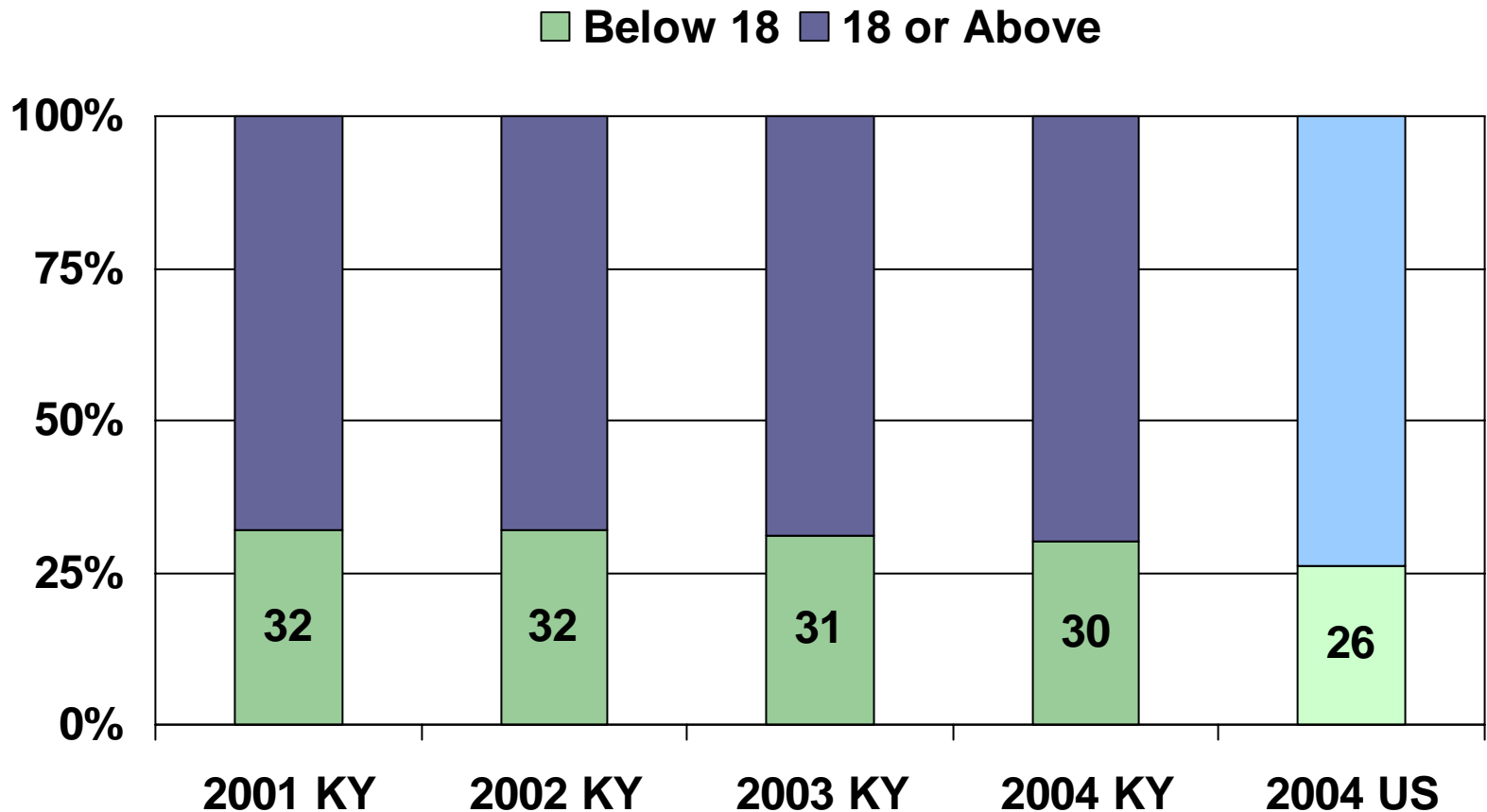
Are more Kentuckians prepared for postsecondary education?

Percentage Graduates Completing the ACT Core



Source: ACT

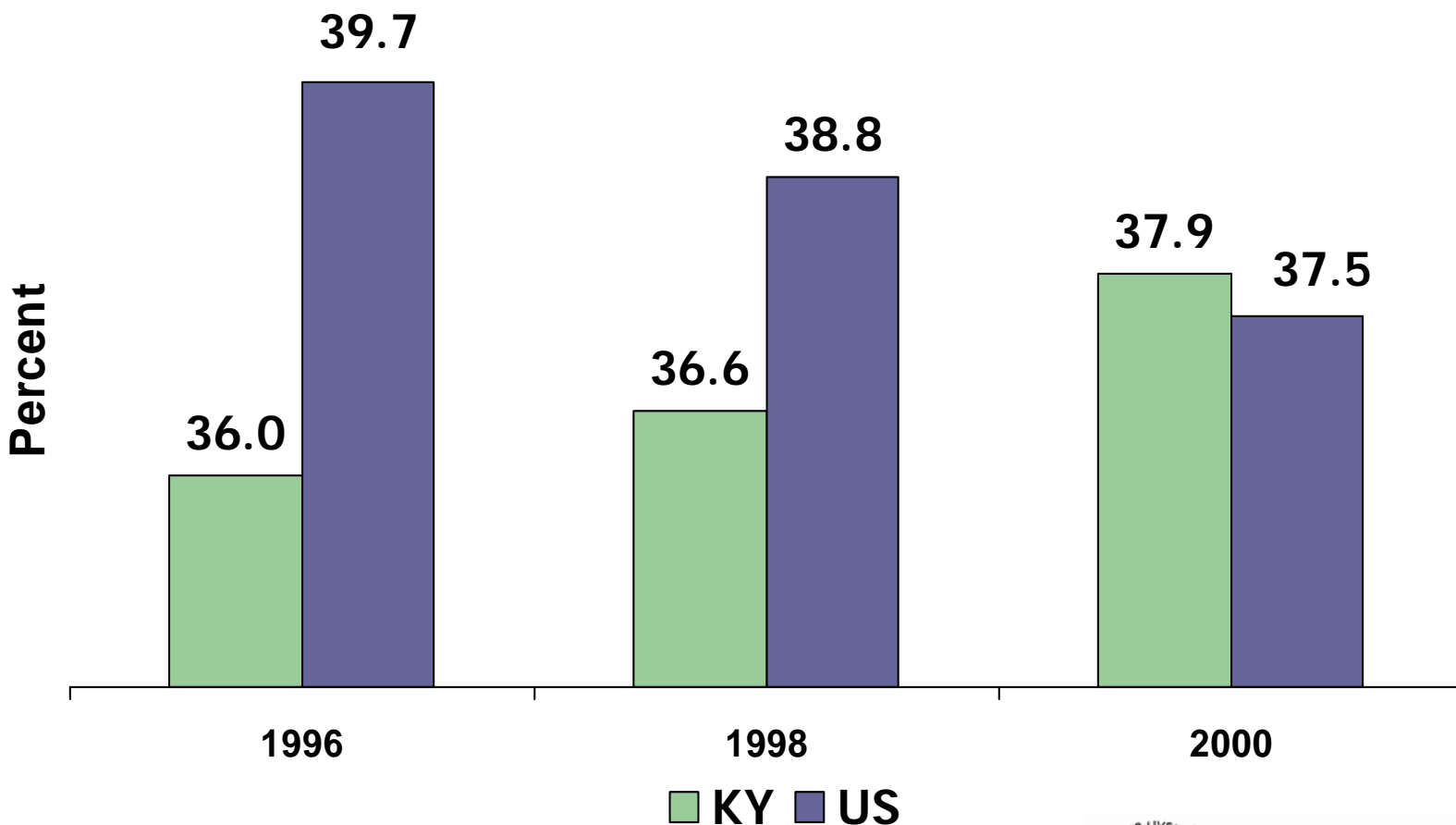
ACT Composite Test Scores



Source: ACT

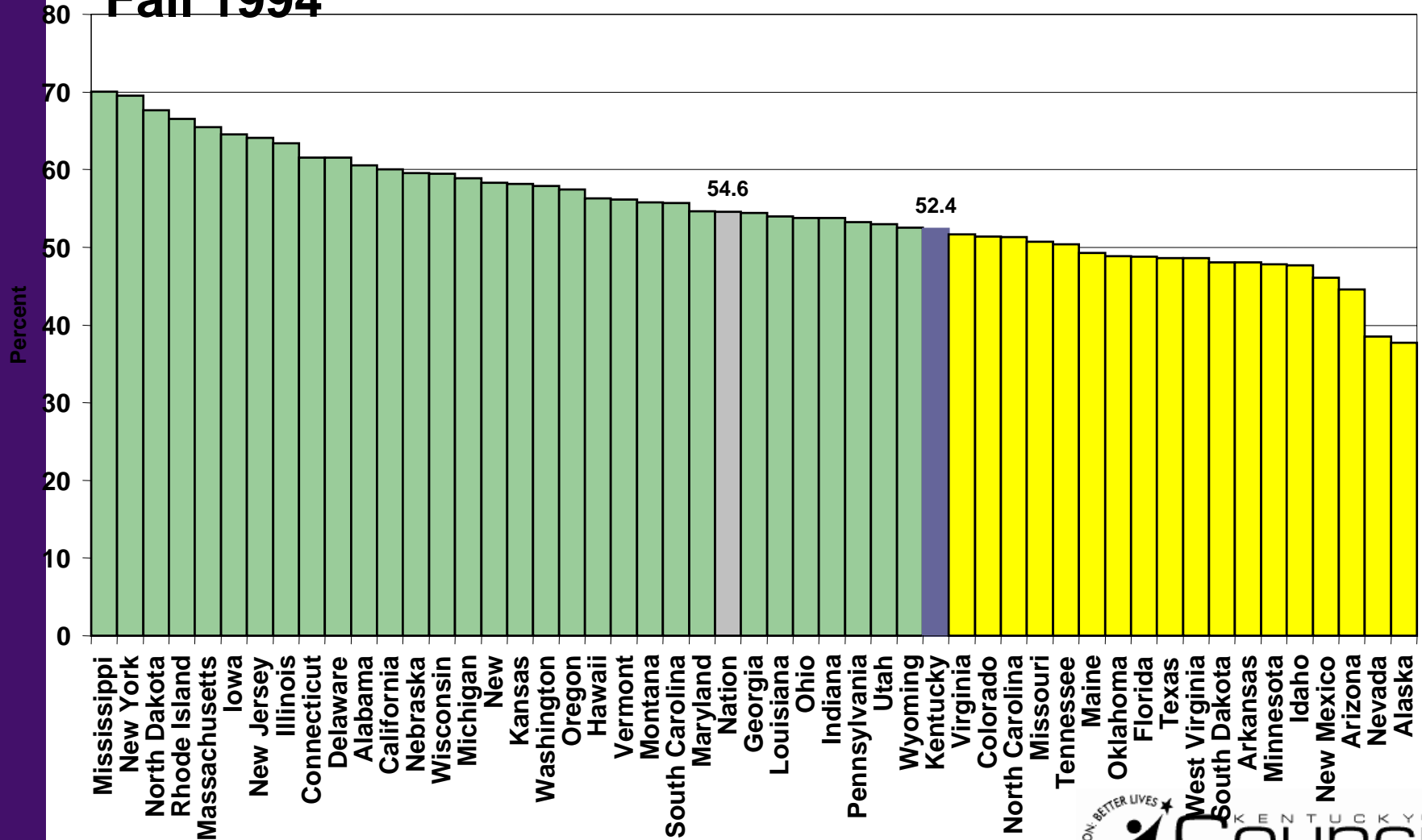
Postsecondary Education Participation

Ninth Graders Enrolling in College within Four Years

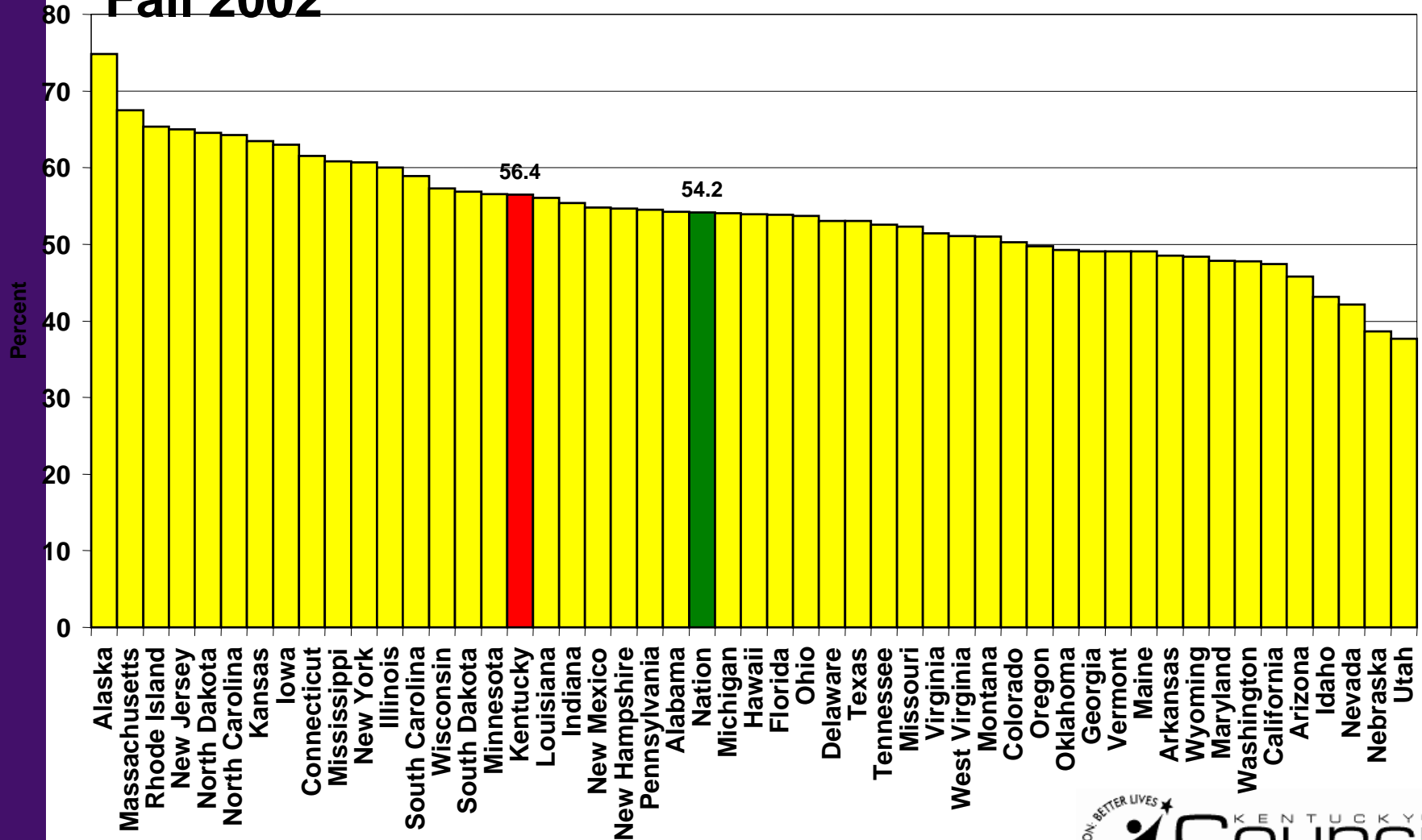


Source: National Center for Higher Education Management Systems

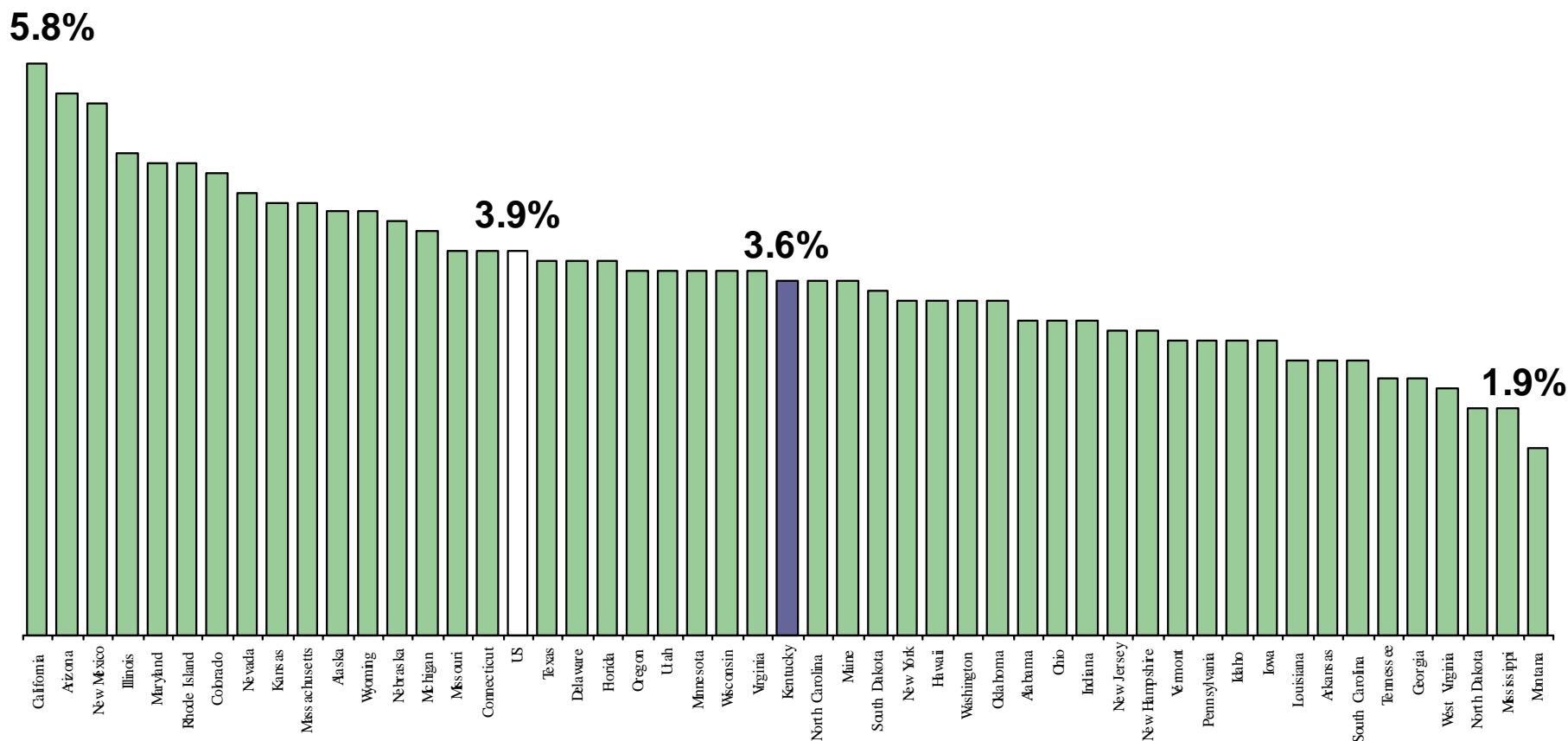
Percent of High School Graduates Attending College Anywhere in the US in the Following Fall Semester, Fall 1994



Percent of High School Graduates Attending College Anywhere in the US in the Following Fall Semester, Fall 2002



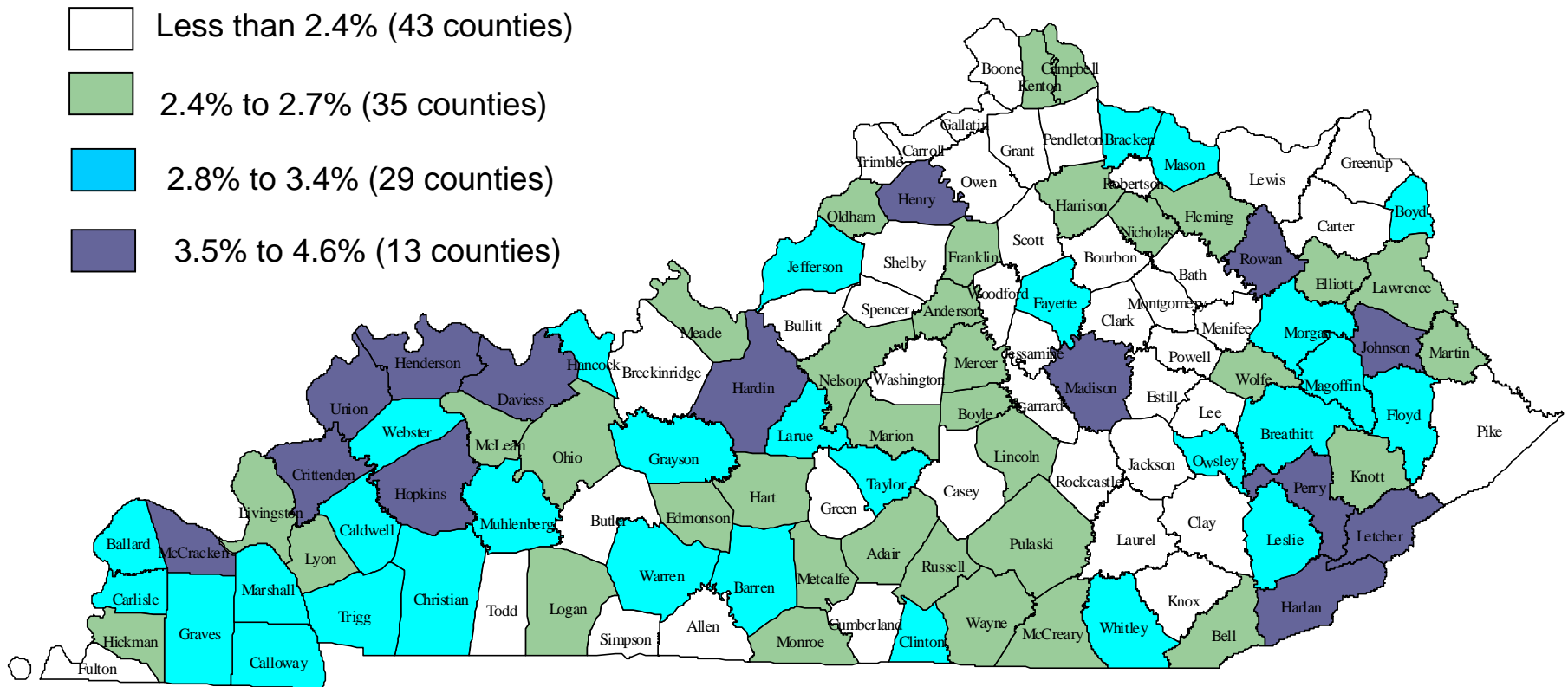
Part-Time Enrollment as a Percent of 25- to 44-Year-Olds, 2001



Source: NCES-IPEDS, U.S. Census Bureau

Part-time Enrollment of Adults 25-49 by County, 2003

Kentucky Average = 2.8%

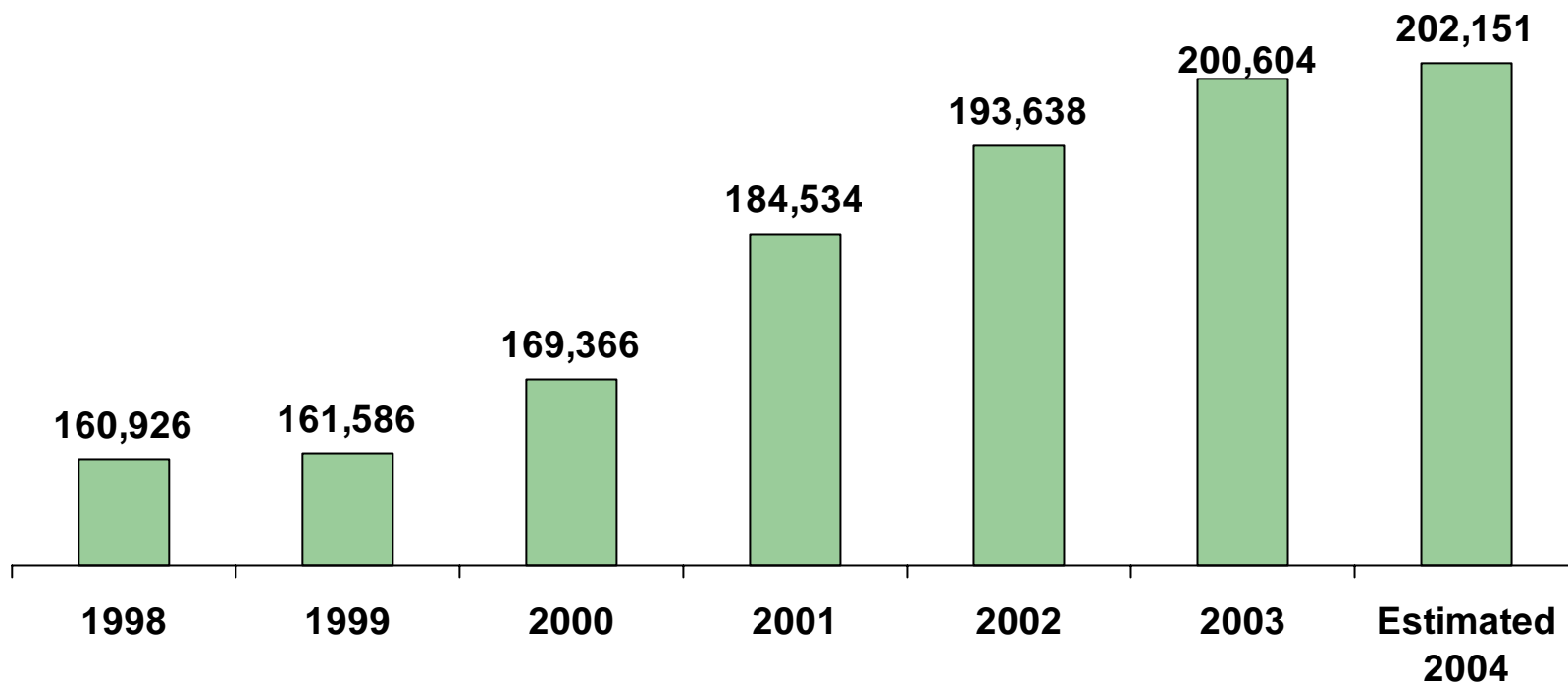


Source: Kentucky State Data Center, CPE

Enrollment



Undergraduate Headcount Enrollment

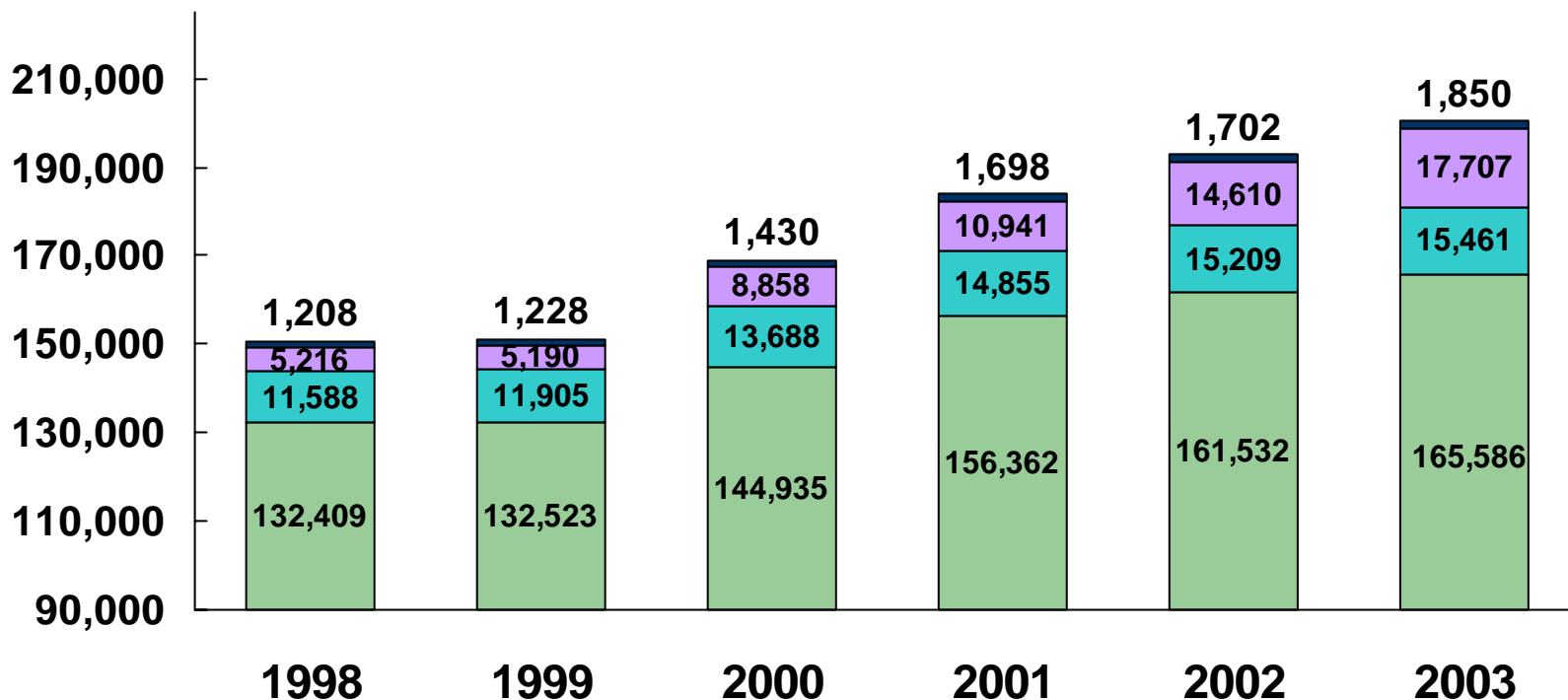


Note: Includes independent institutions

Source: Council on Postsecondary Education

Undergraduate Headcount Enrollment by Race/Ethnicity

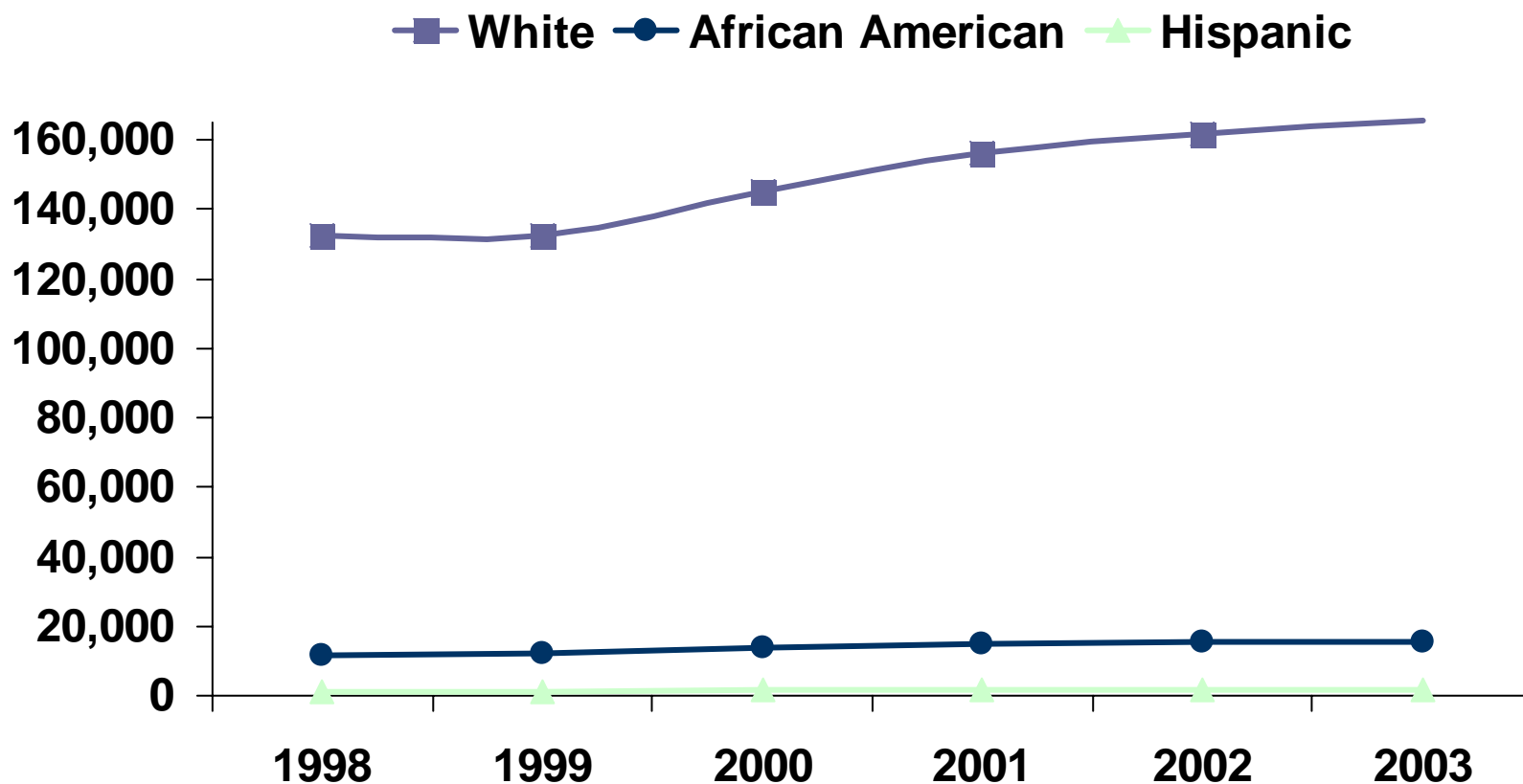
White African American Other Hispanic



Note: Includes independent institutions. Other includes unknown and international students.

Source: Council on Postsecondary Education

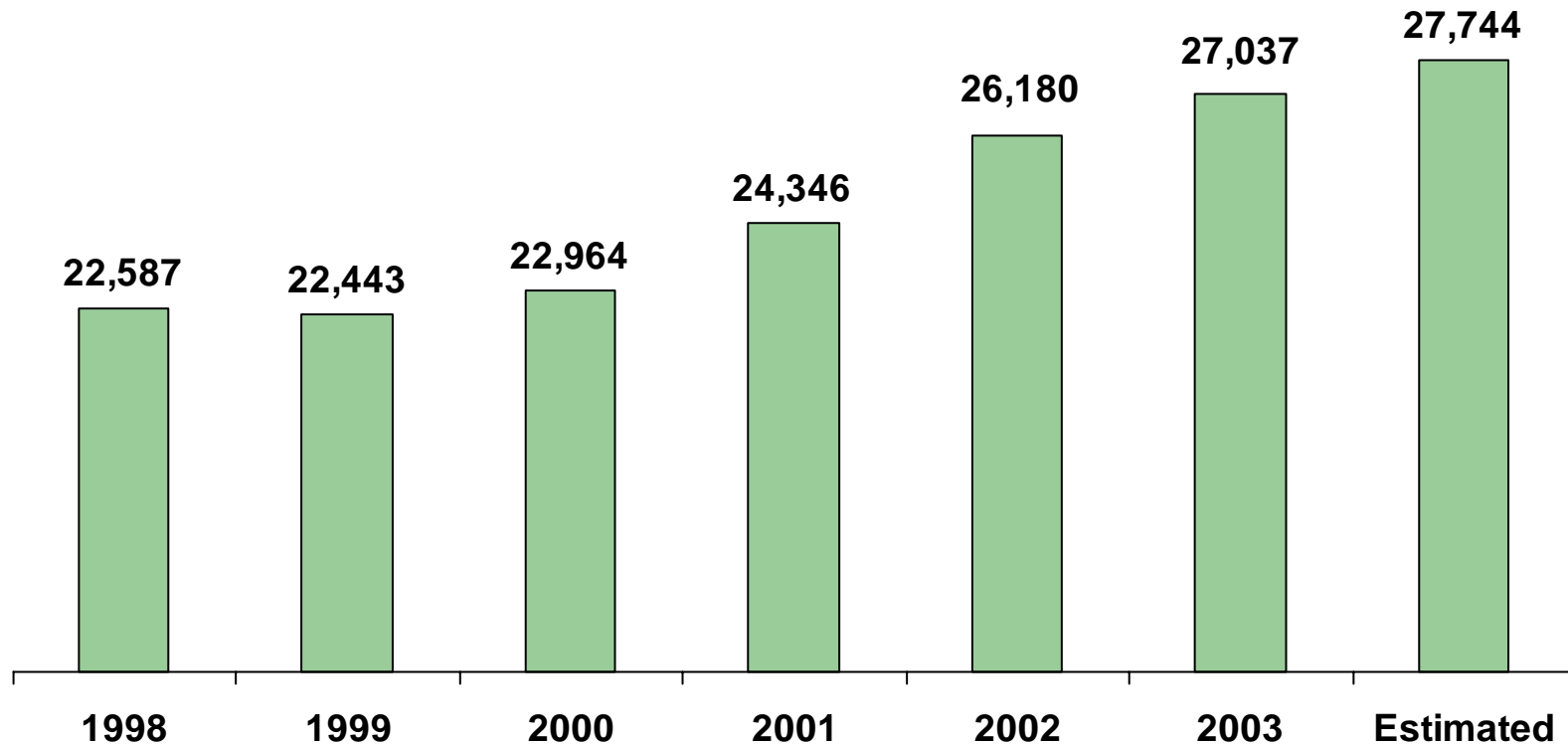
Undergraduate Headcount Enrollment by Race/Ethnicity



Note: Includes independent institutions

Source: Council on Postsecondary Education

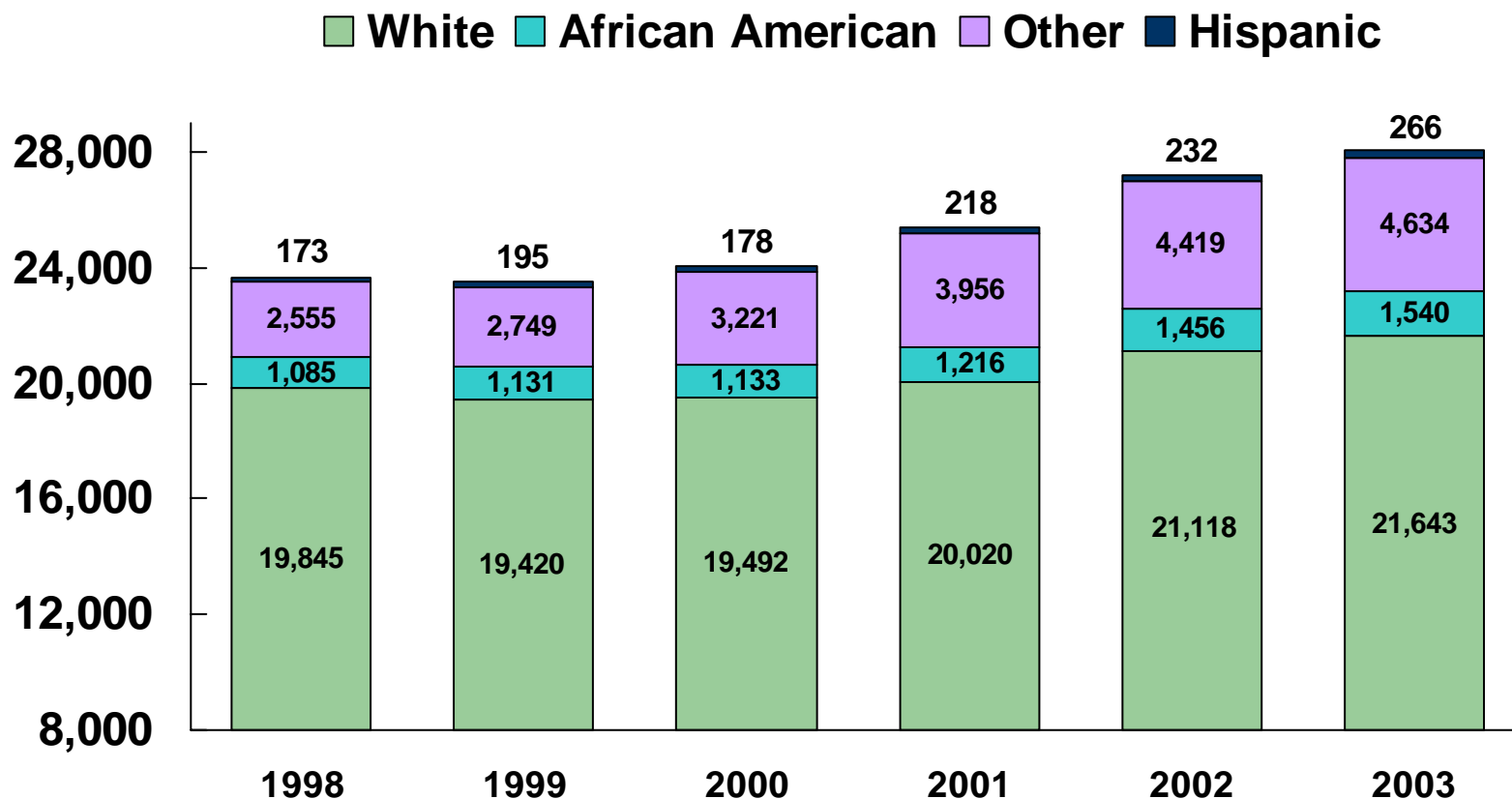
Graduate and First Professional Enrollment



Note: Includes Independent institutions

Source: Council on Postsecondary Education

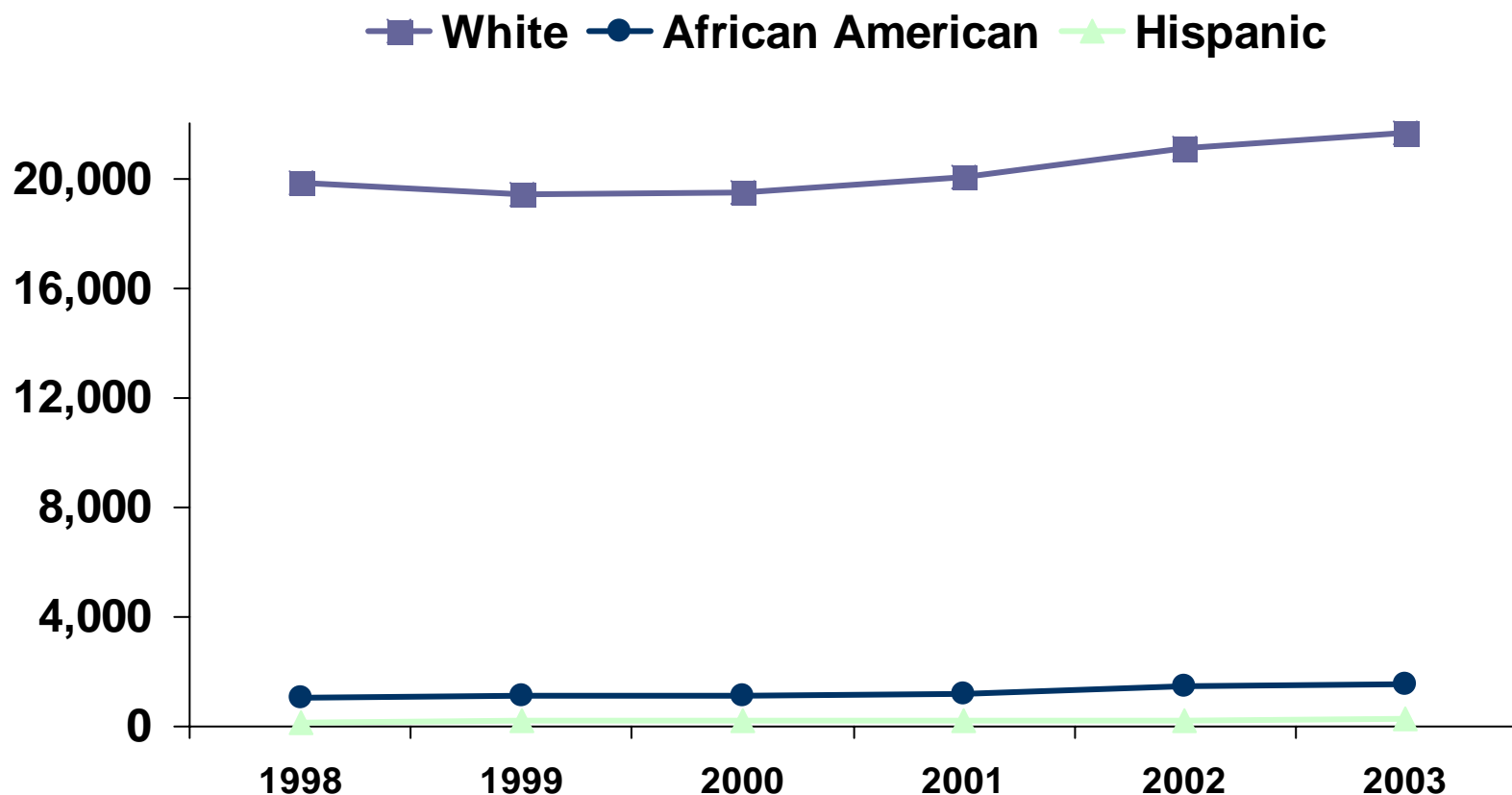
Graduate and First Professional Enrollment by Race/Ethnicity



Source: Council on Postsecondary Education

Note: Includes Independent institutions

Graduate and First Professional Enrollment by Ethnicity



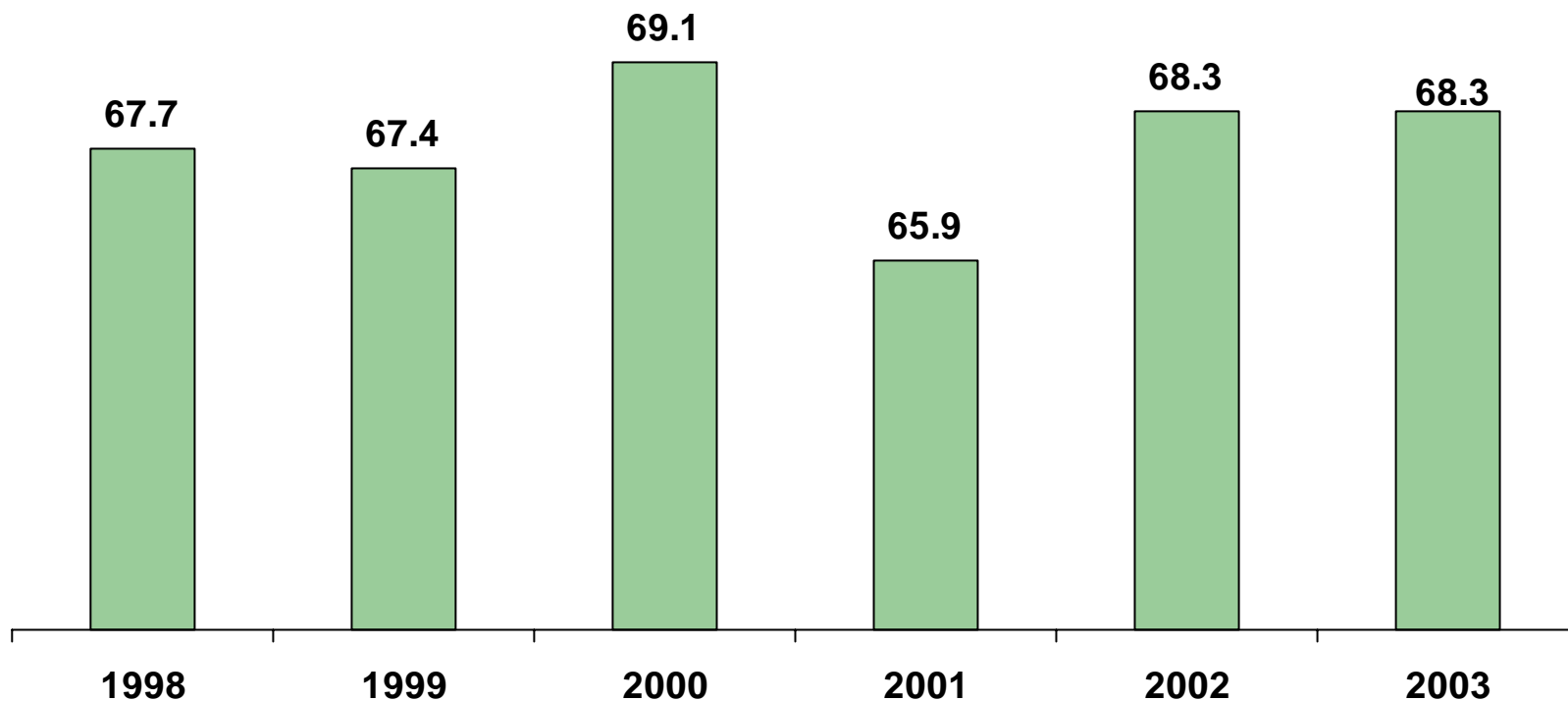
Source: Council on Postsecondary Education

Note: Includes Independent institutions

Student Progress and Completion

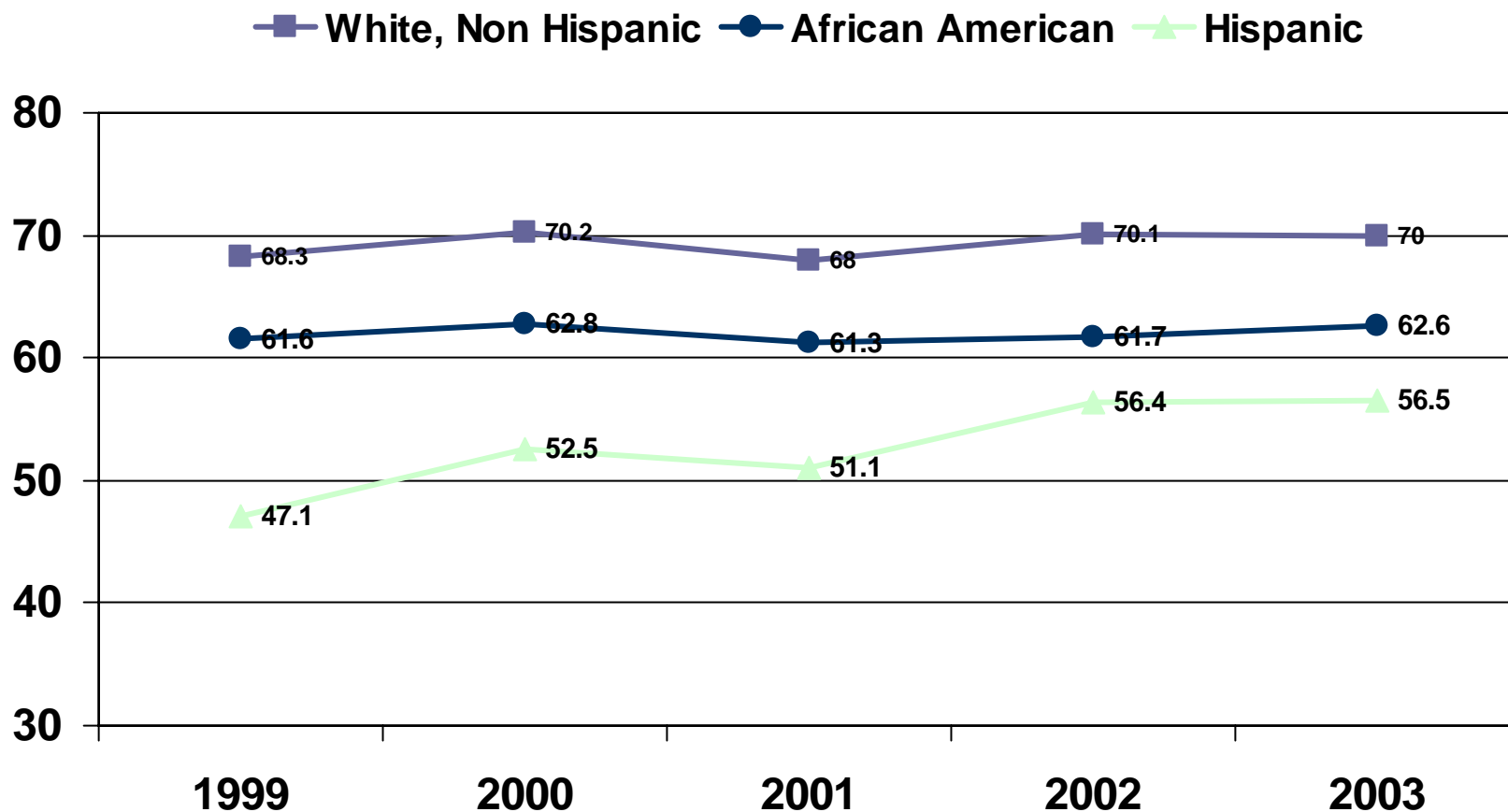
- First-Year Retention

First-Year System-Wide Retention Rates



Source: Council on Postsecondary Education

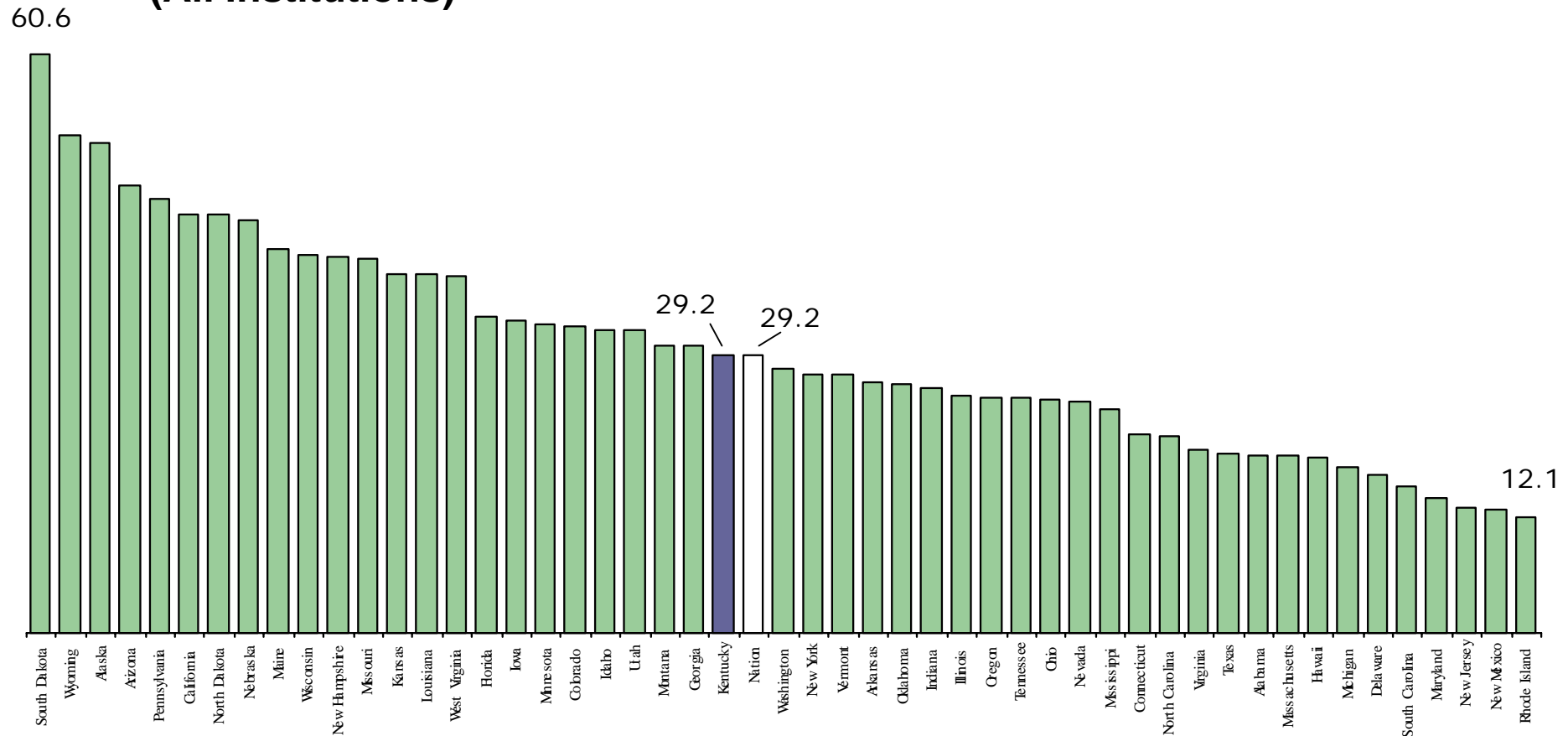
First-Year Retention Rate by Ethnicity



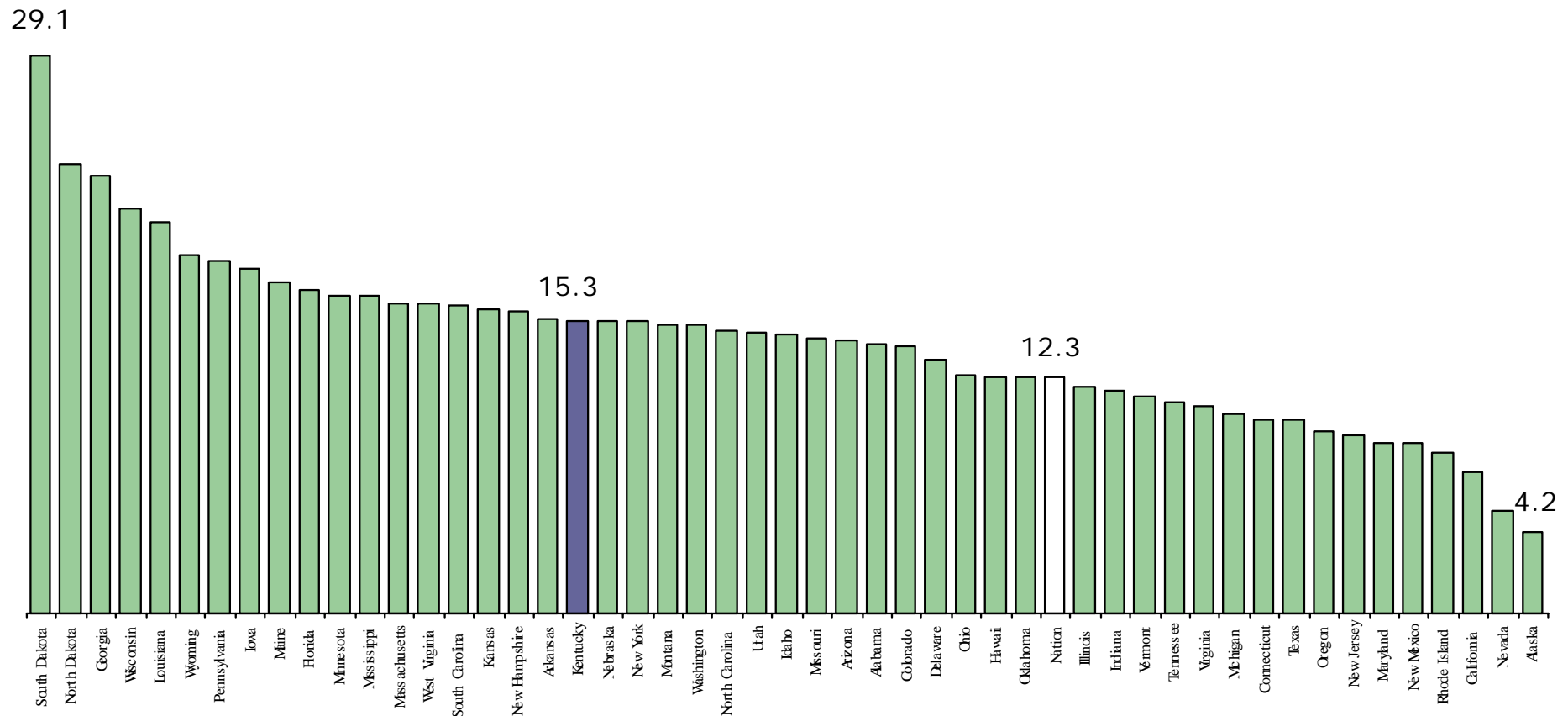
Student Progress and Completion

- Certificates, Diplomas and Associates

Graduation Rates: Percent of Associate's Degree Students at Two-Year Institutions Graduating within Three Years, 2000 (All Institutions)

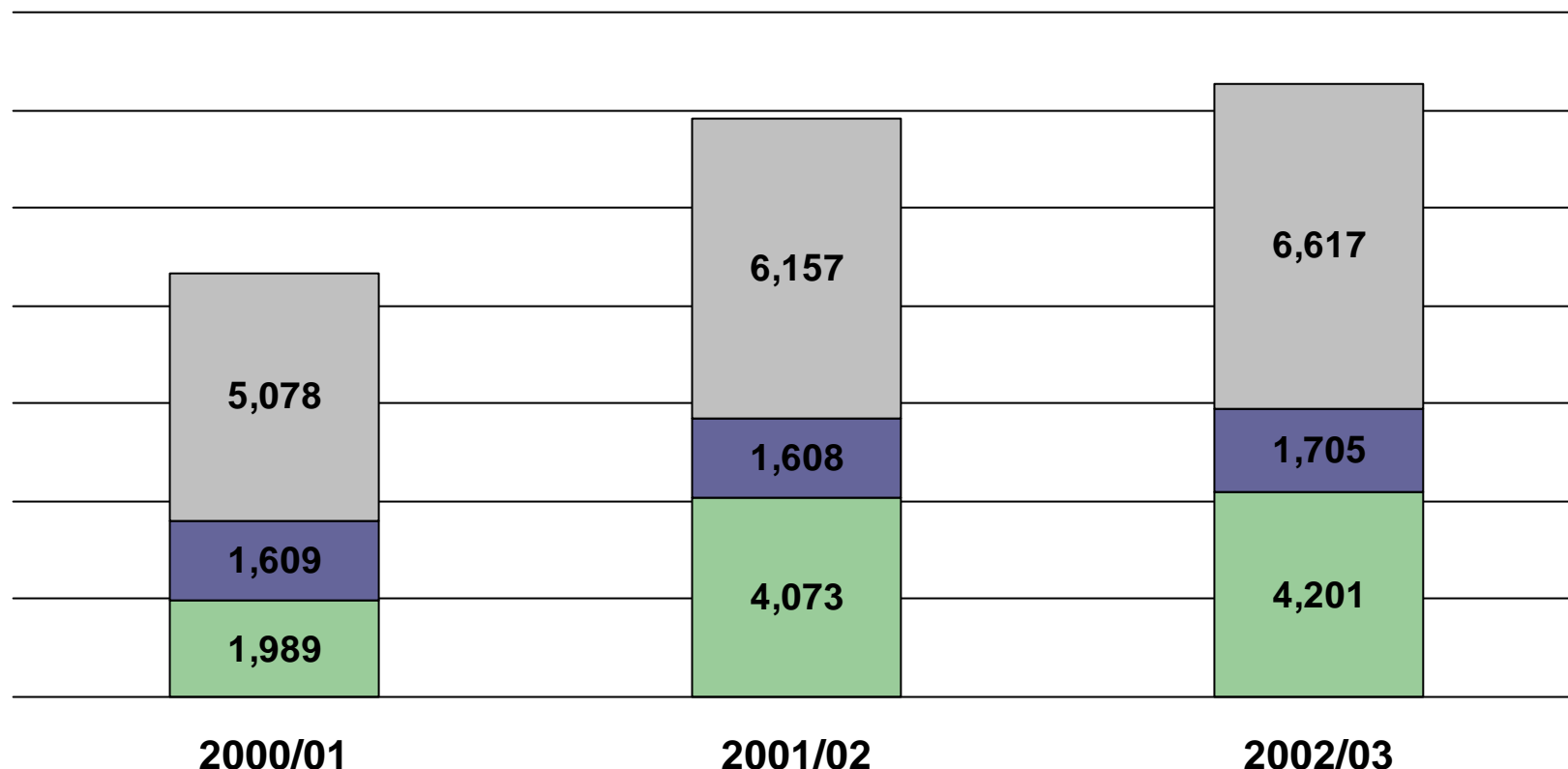


Credentials Awarded (Two-Year or Less) as a Percent of All Students at Two-Year Institutions, 2002



Total Formal Awards and Associate Degrees Awarded

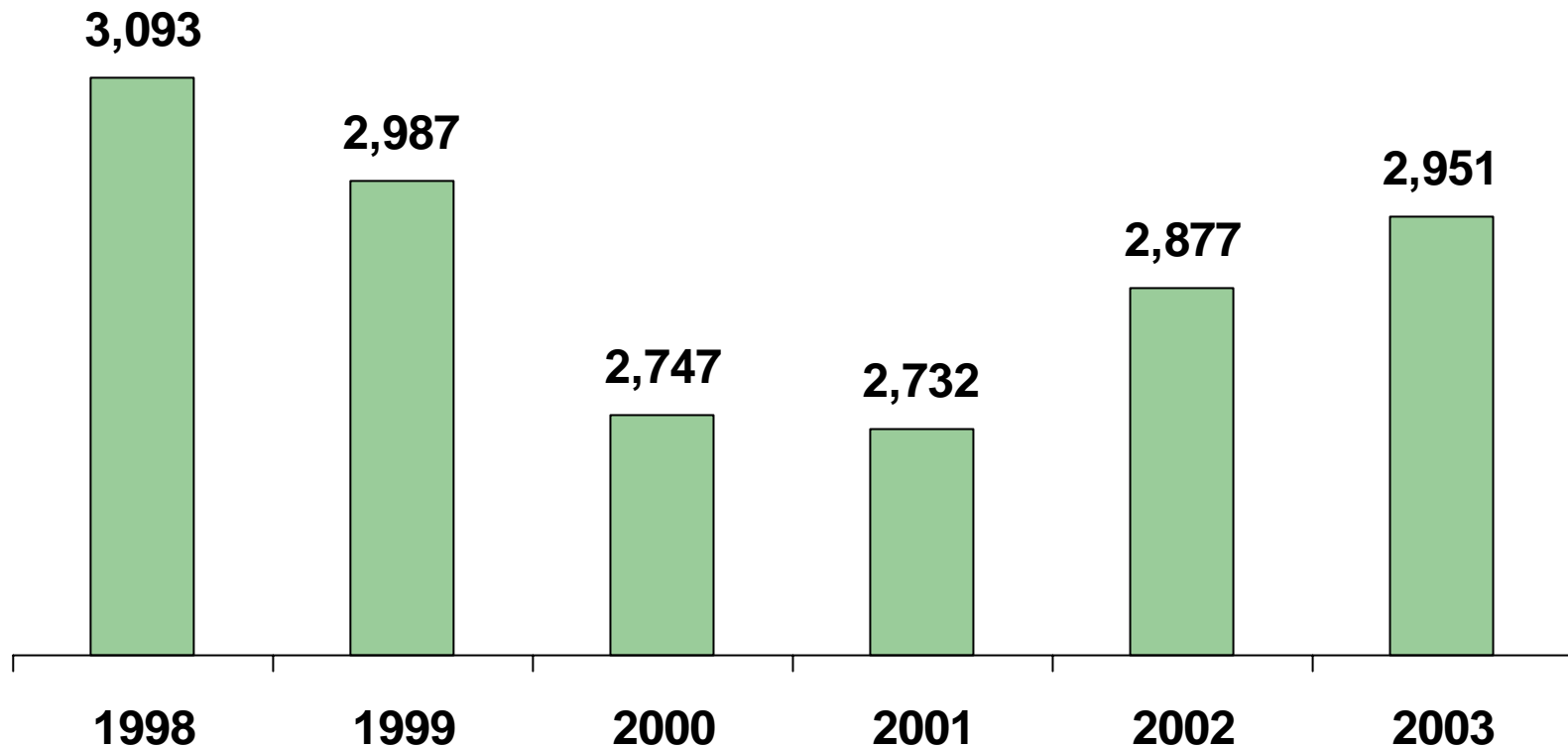
■ Certificates ■ Diplomas ■ Associates



2-Year Increase = 44.3%

Note: Includes Independent institutions
Source: Council on Postsecondary Education

Number of Students Transferring from Two-year Public Institutions to A Four-Year Institution

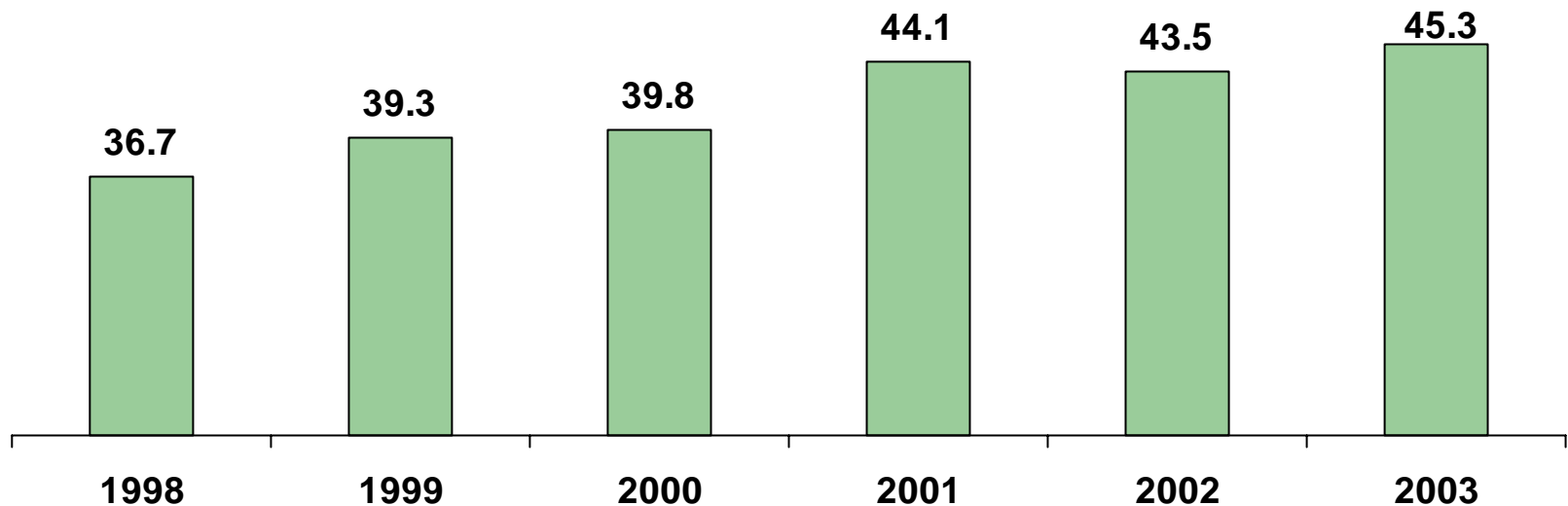


Source: Council on Postsecondary Education

Student Progress and Completion

- Baccalaureate Degrees

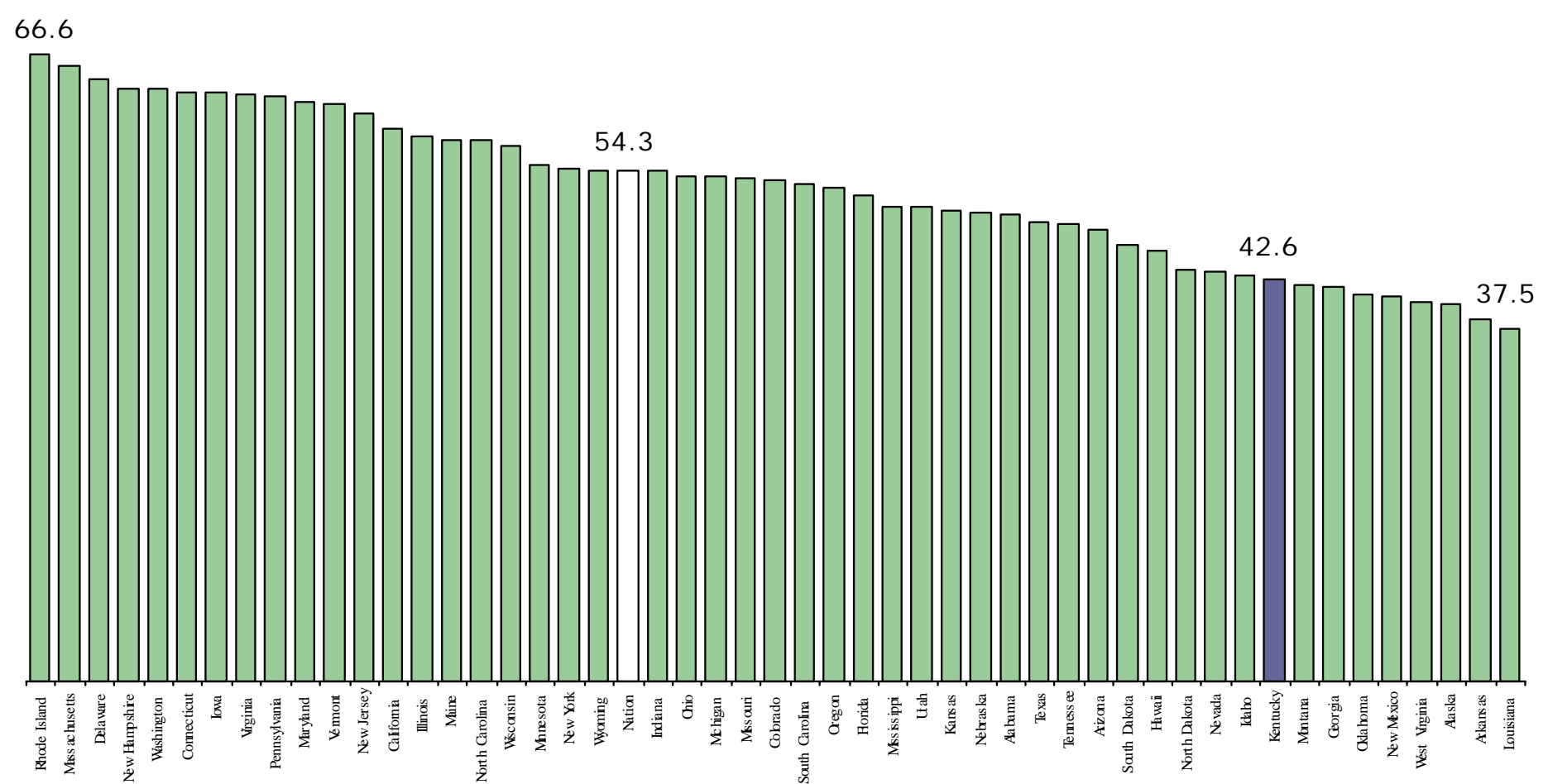
Six-Year Baccalaureate Graduation Rates, Public Institutions



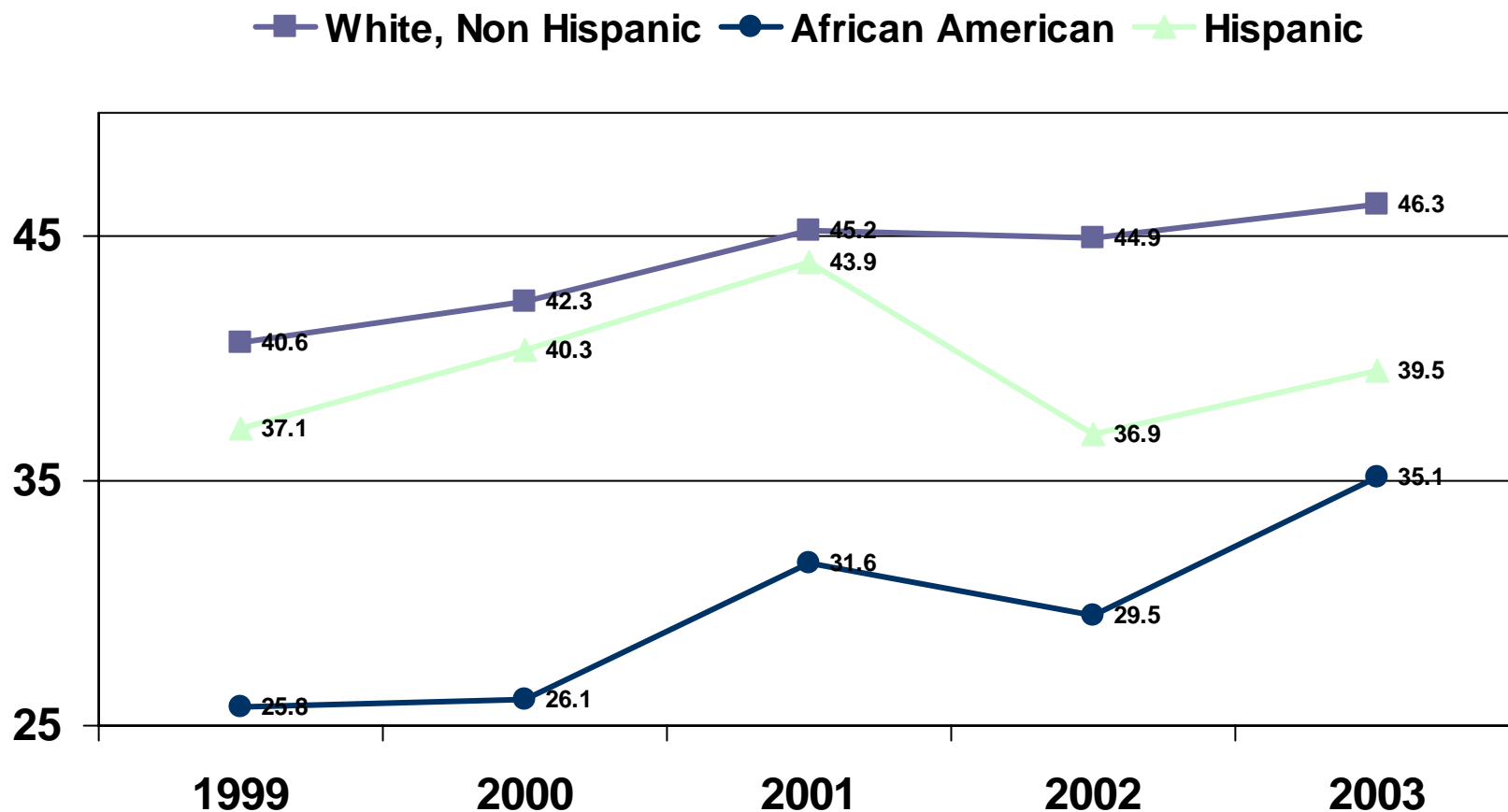
Note: Public institutions only

Source: Council on Postsecondary Education

Six-Year Baccalaureate Graduation Rates by State, 2002 (All Institutions)



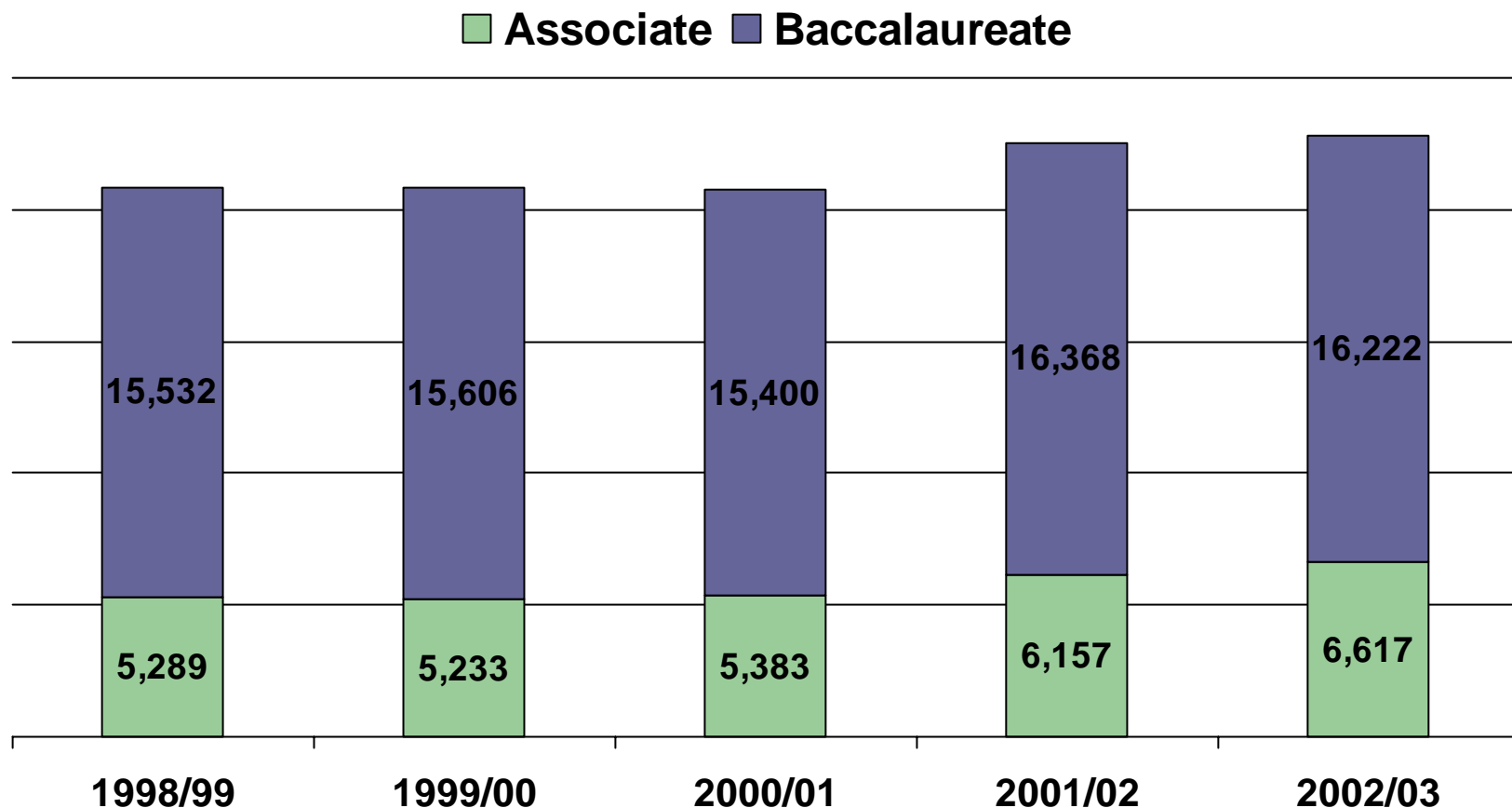
Six-Year Baccalaureate Graduation Rate by Ethnicity, Public Institutions



Note: Public institutions only

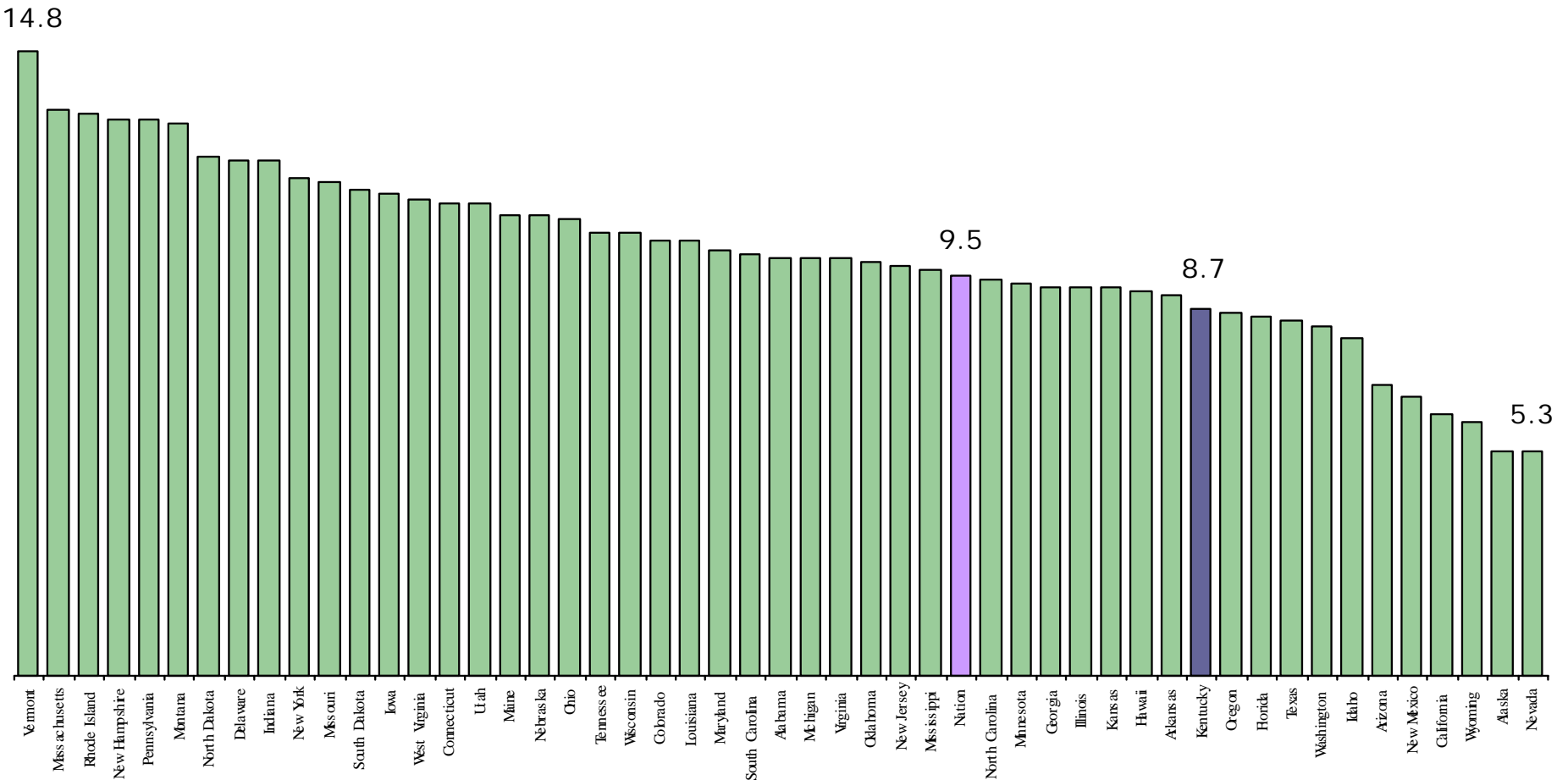
Source: Council on Postsecondary Education

Total Undergraduate Degrees Awarded

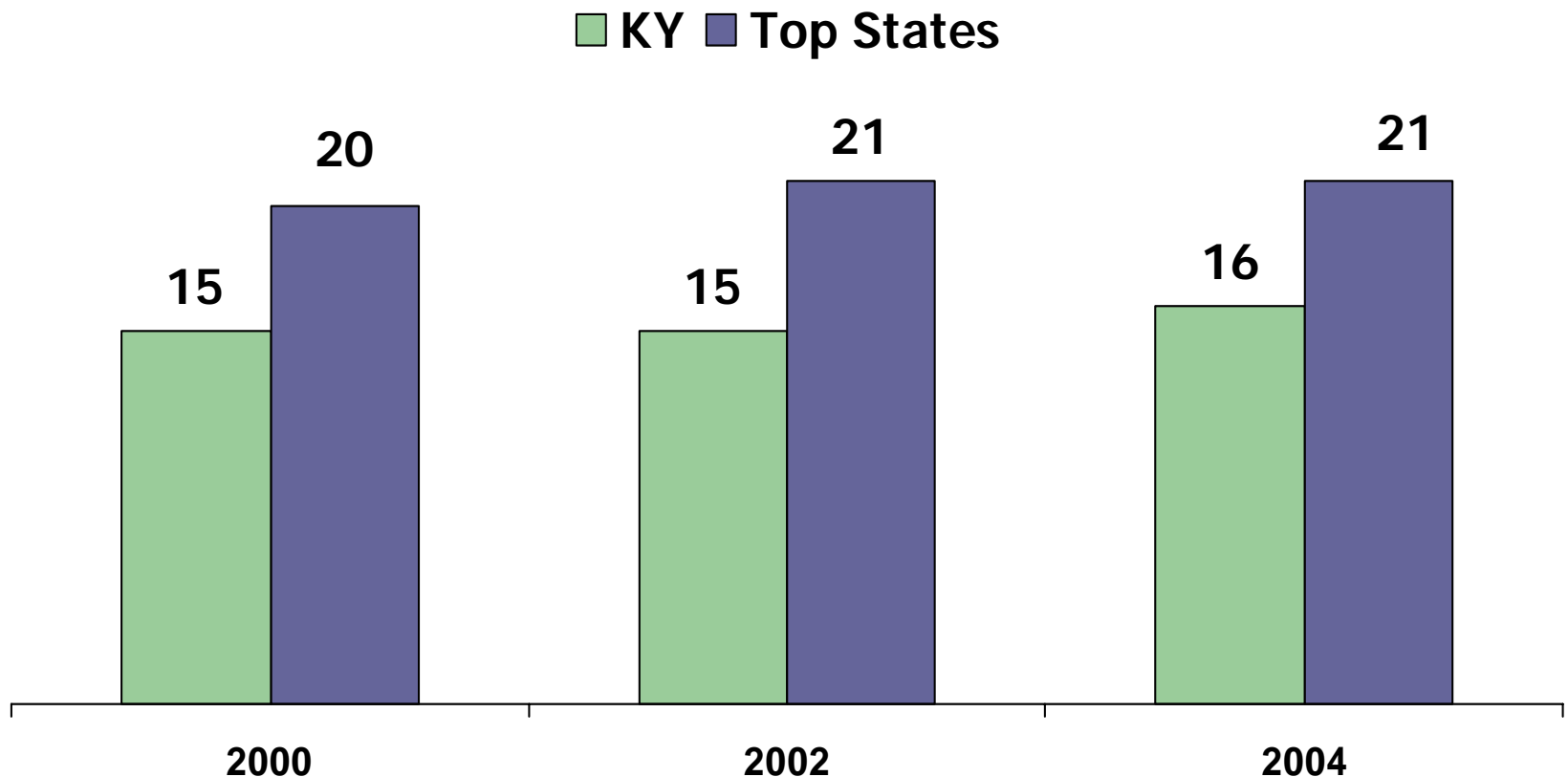


5-Year Increase = 9.7%

Bachelor's Degrees Awarded as a Percent of All Undergraduates, 2002



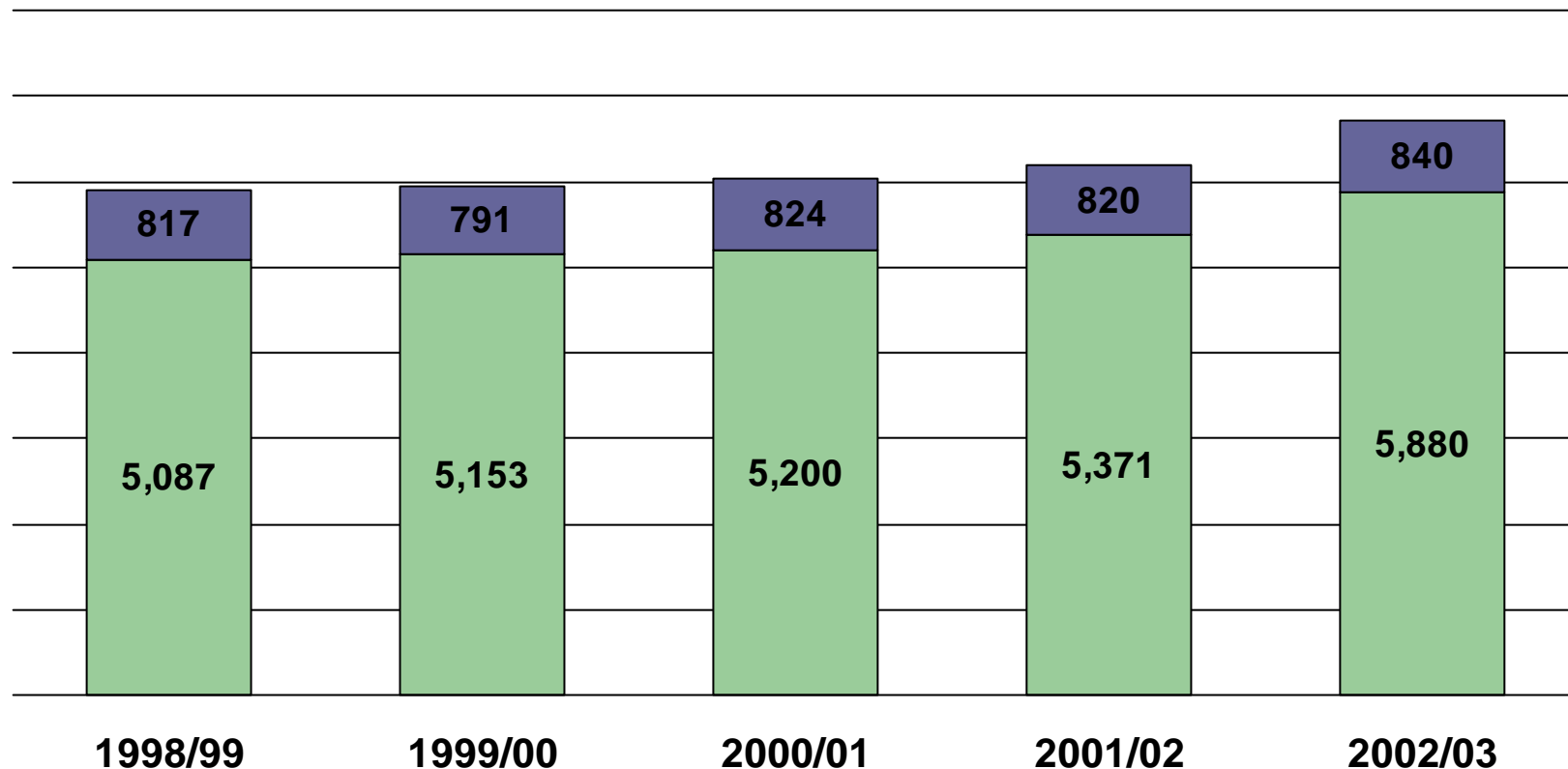
Certificates, Degrees and Diplomas per 100 Undergraduates, Measuring Up



Source: National Center for Public Policy and Higher Education

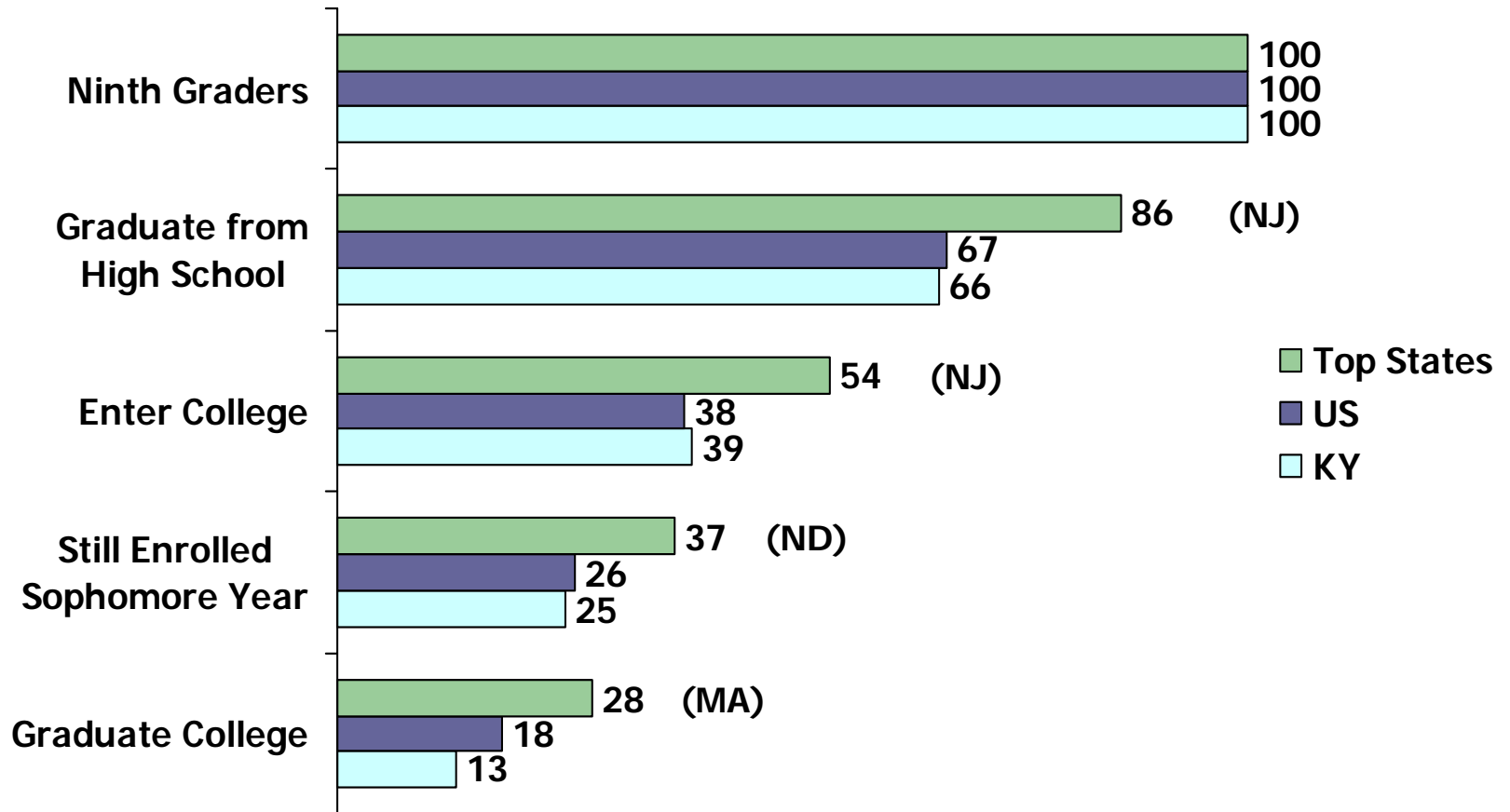
Total Graduate and First Professional Degrees Awarded

■ Graduate ■ First-Professional



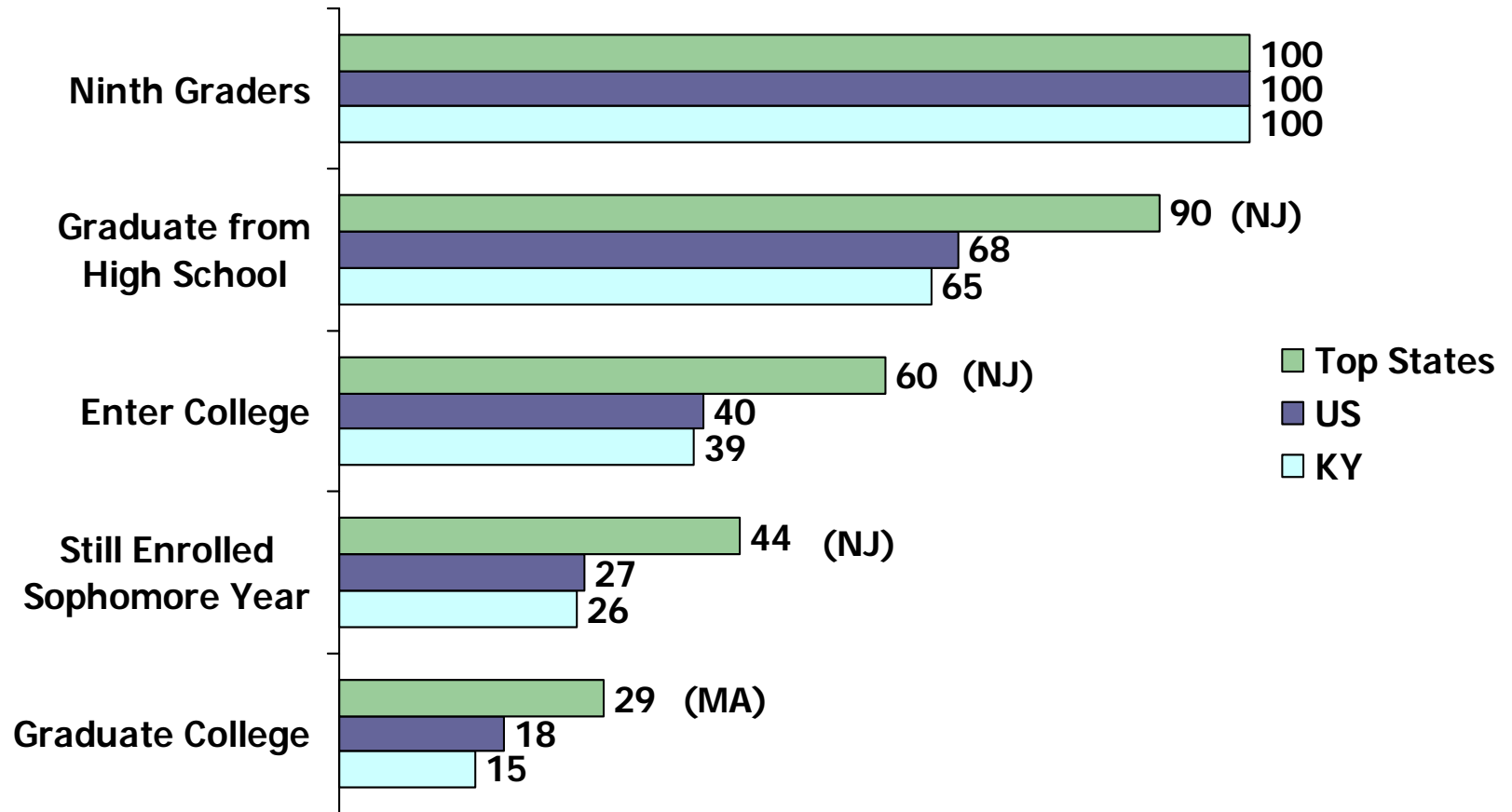
4 Year Increase = 13.8%

Education Pipeline, 2000



Source: National Center for Higher Education Management Systems

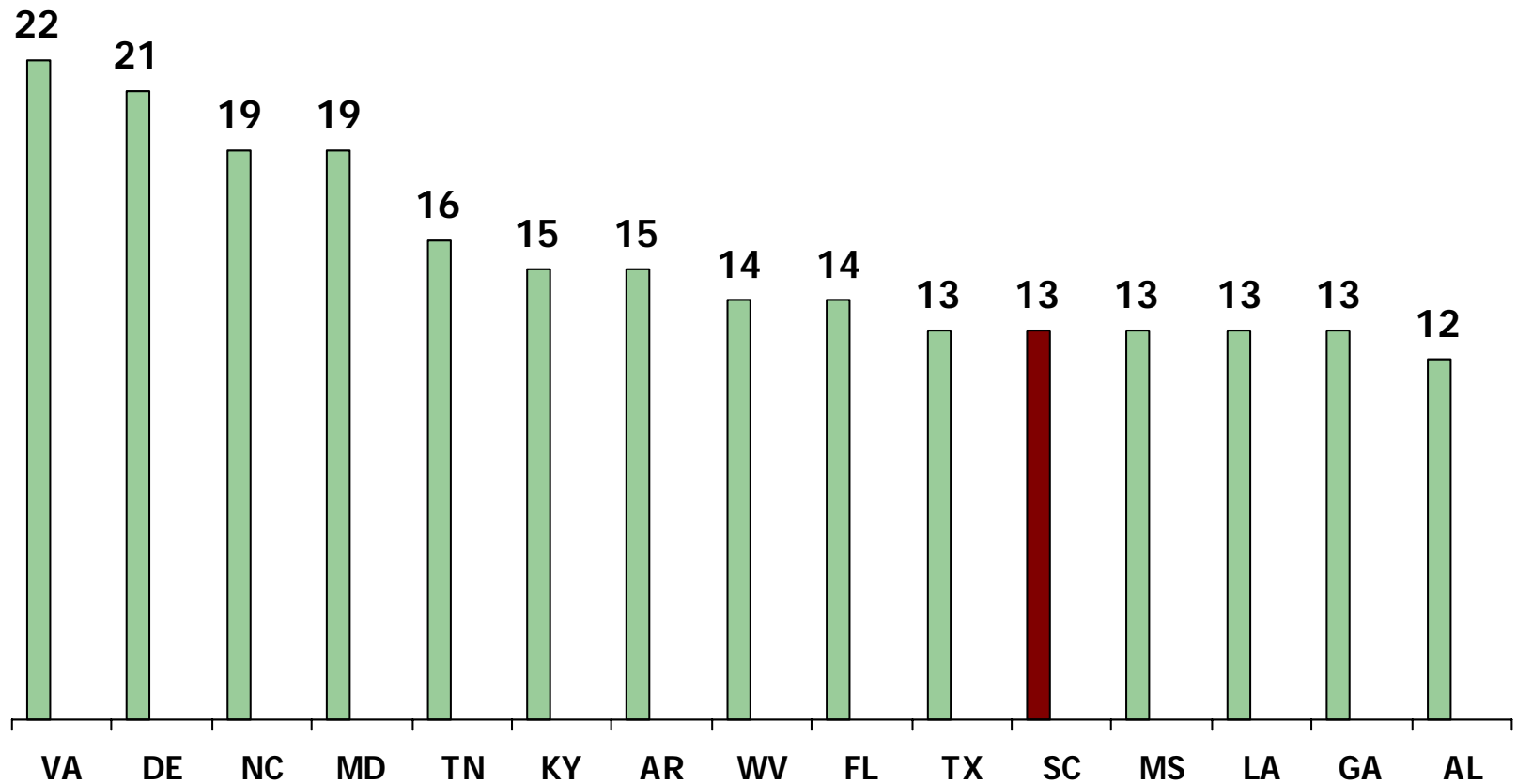
Education Pipeline, 2002



Source: WICHE, NCES, ACT, NCES-IPEDS Graduation Rate and Fall Enrollment Surveys

College Graduates per 100 Ninth Graders, 2002

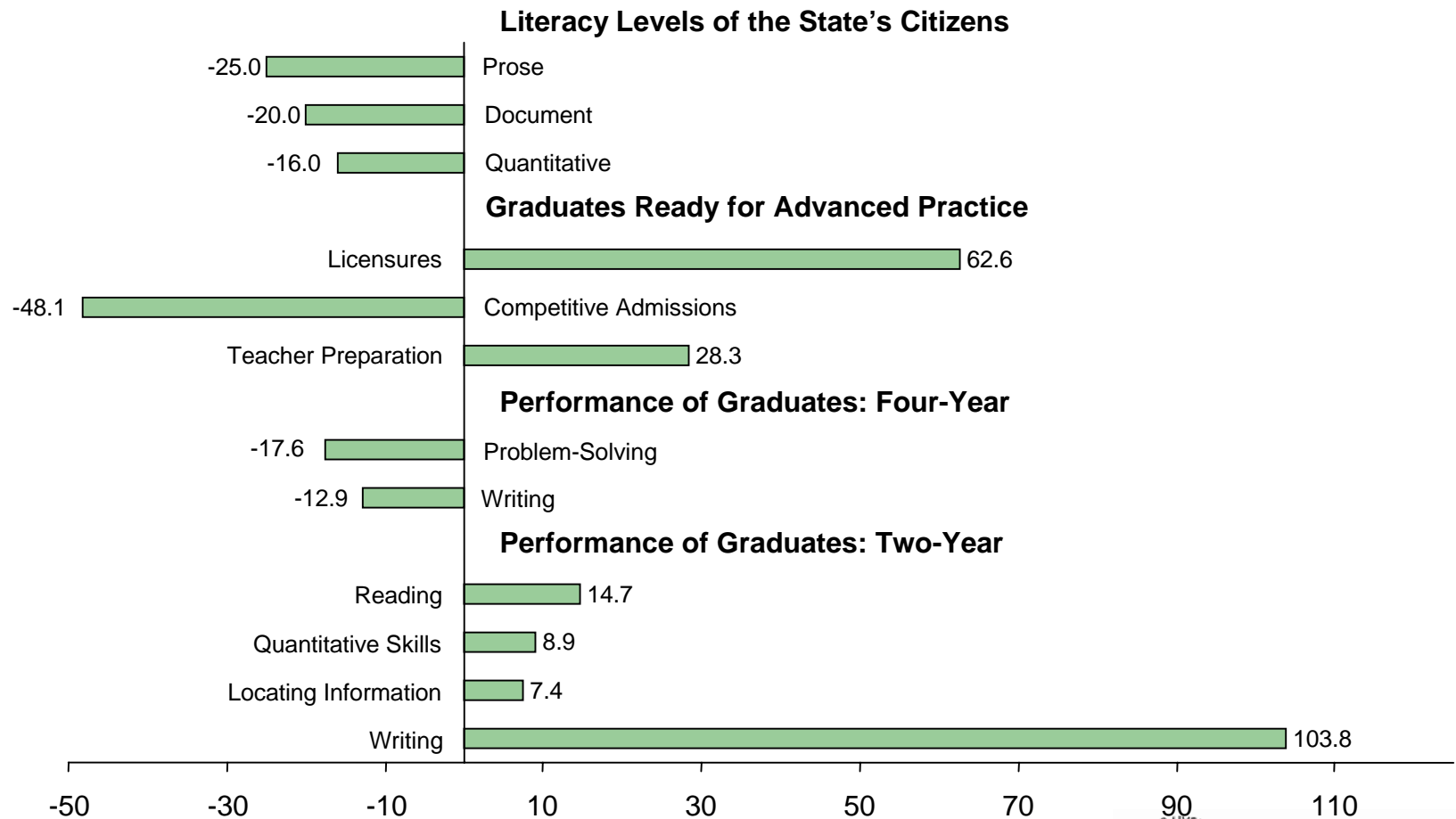
SREB States



Source: National Center for Higher Education Management Systems

Student Learning

Kentucky Learning Measures



Kentucky Learning Measures: Results

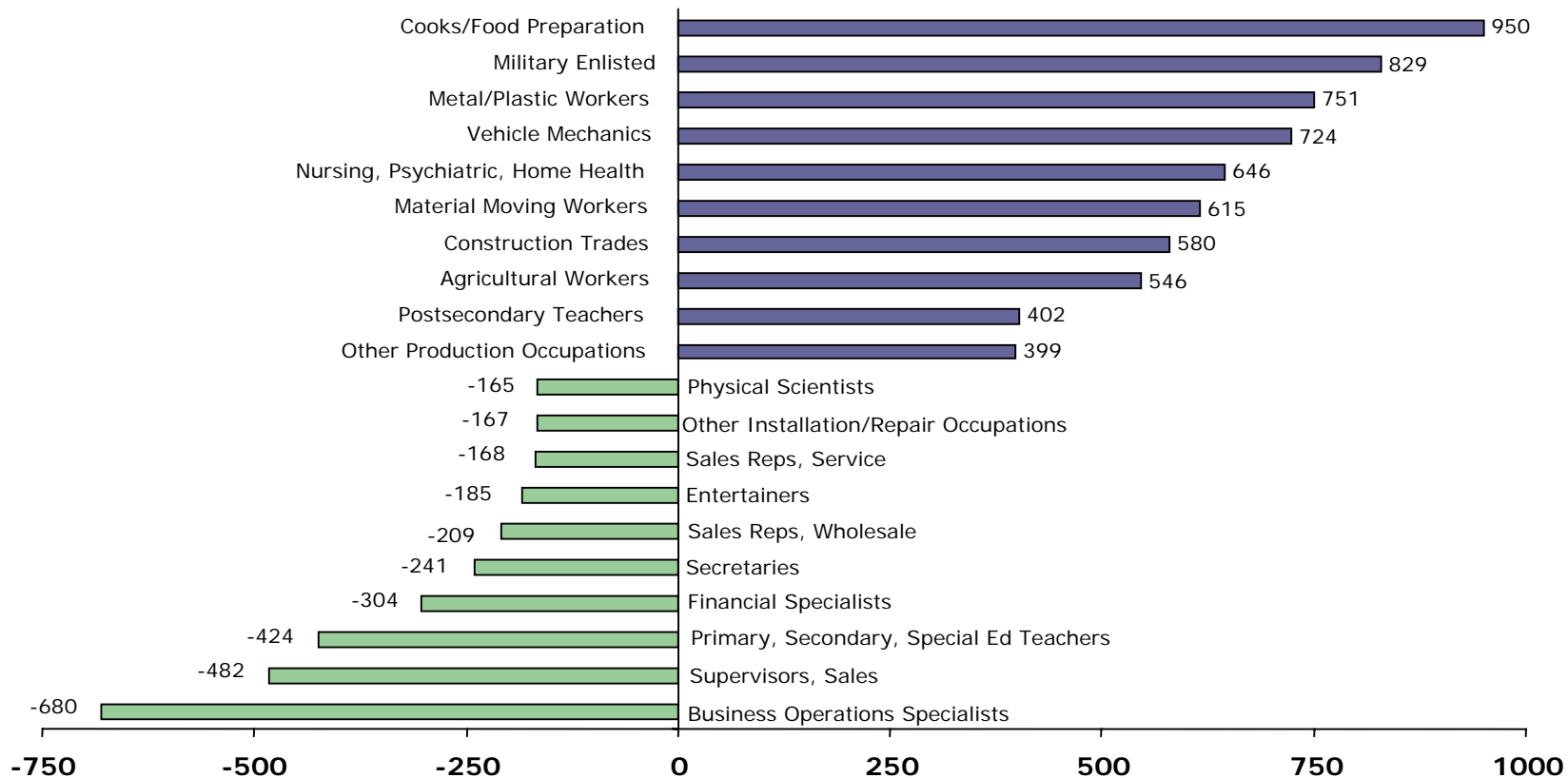
- Literacy rates well below national levels reflect low levels of educational attainment
- Competitive performance in licensure and teacher preparation
- High tested abilities for two-year college students
- Low tested abilities for four-year college students and low competitiveness in graduate admissions readiness

Workforce Development



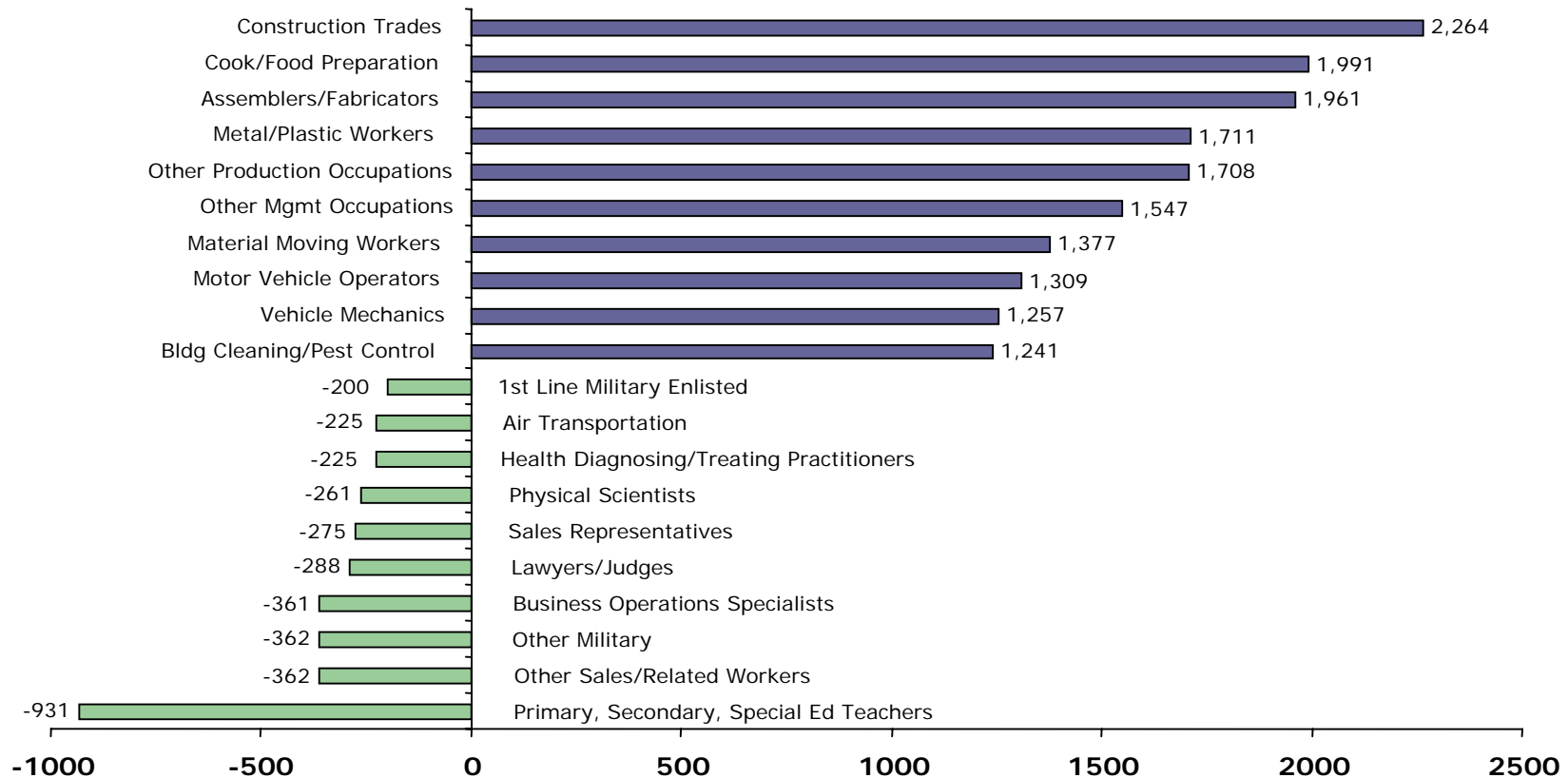
Occupations with High Net Imports and Exports

All 22- to 29-Year-Olds, 1995-2000



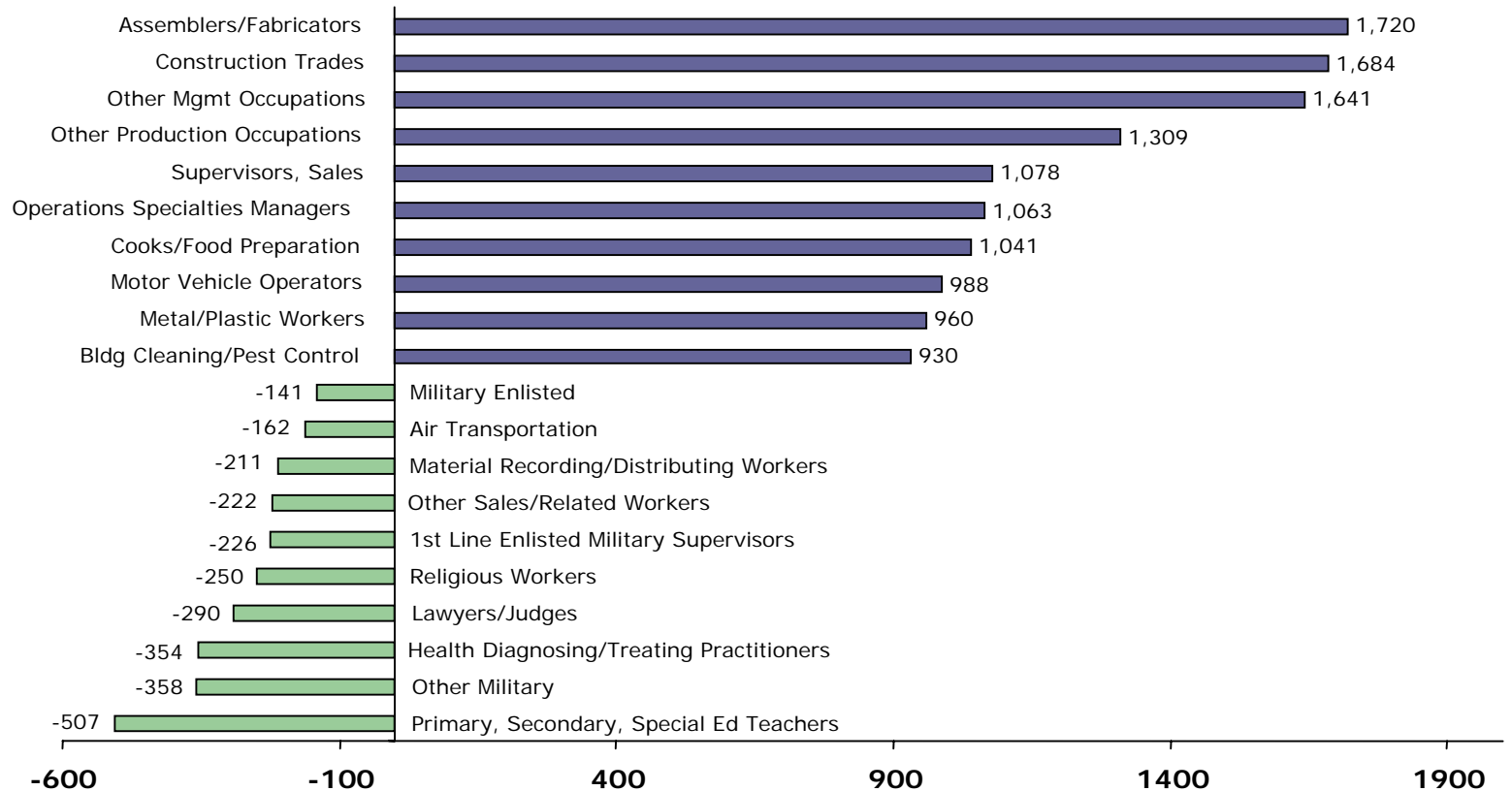
Occupations with High Net Imports and Exports

All 22- to 64-Year-Olds, 1995-2000



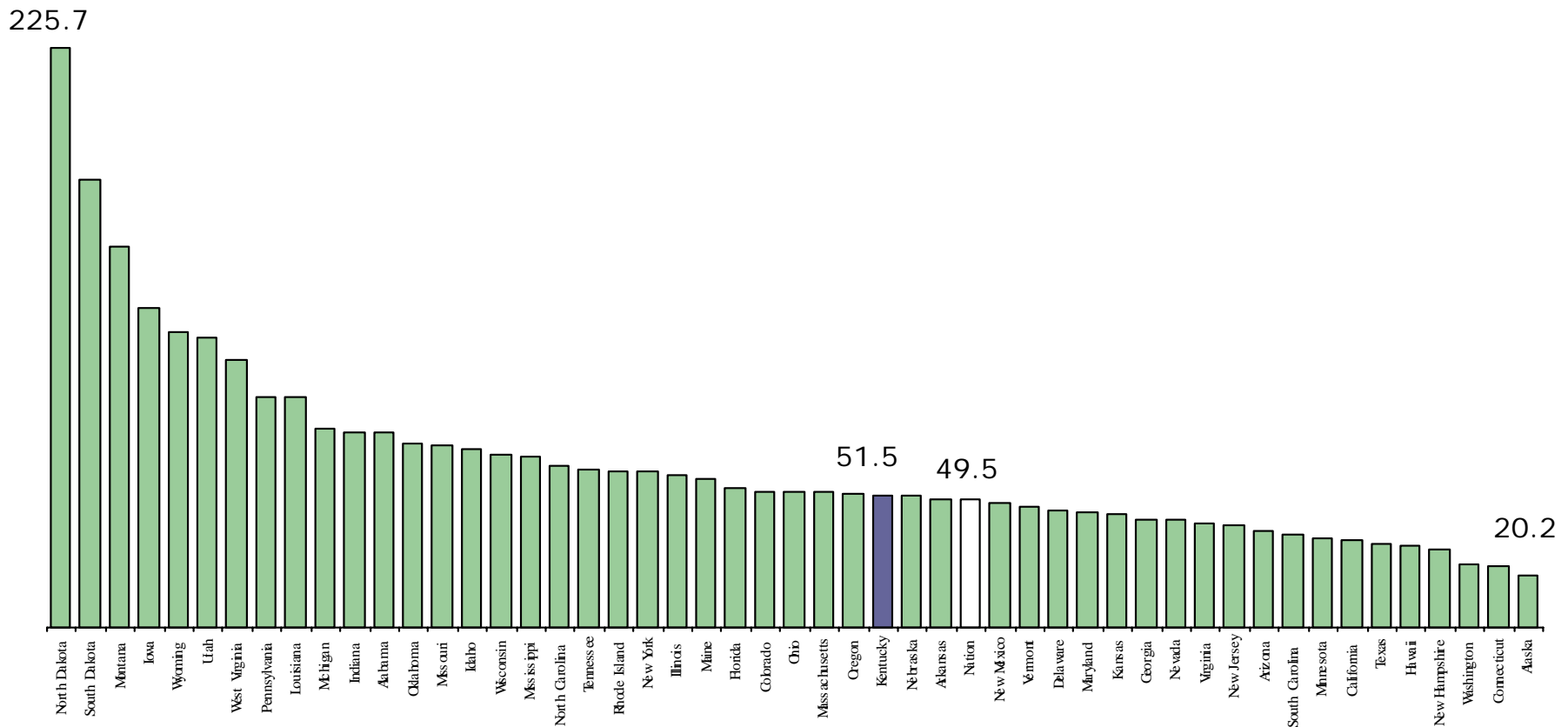
Occupations with High Net Imports and Exports

All 30- to 64-Year-Olds, 1995-2000



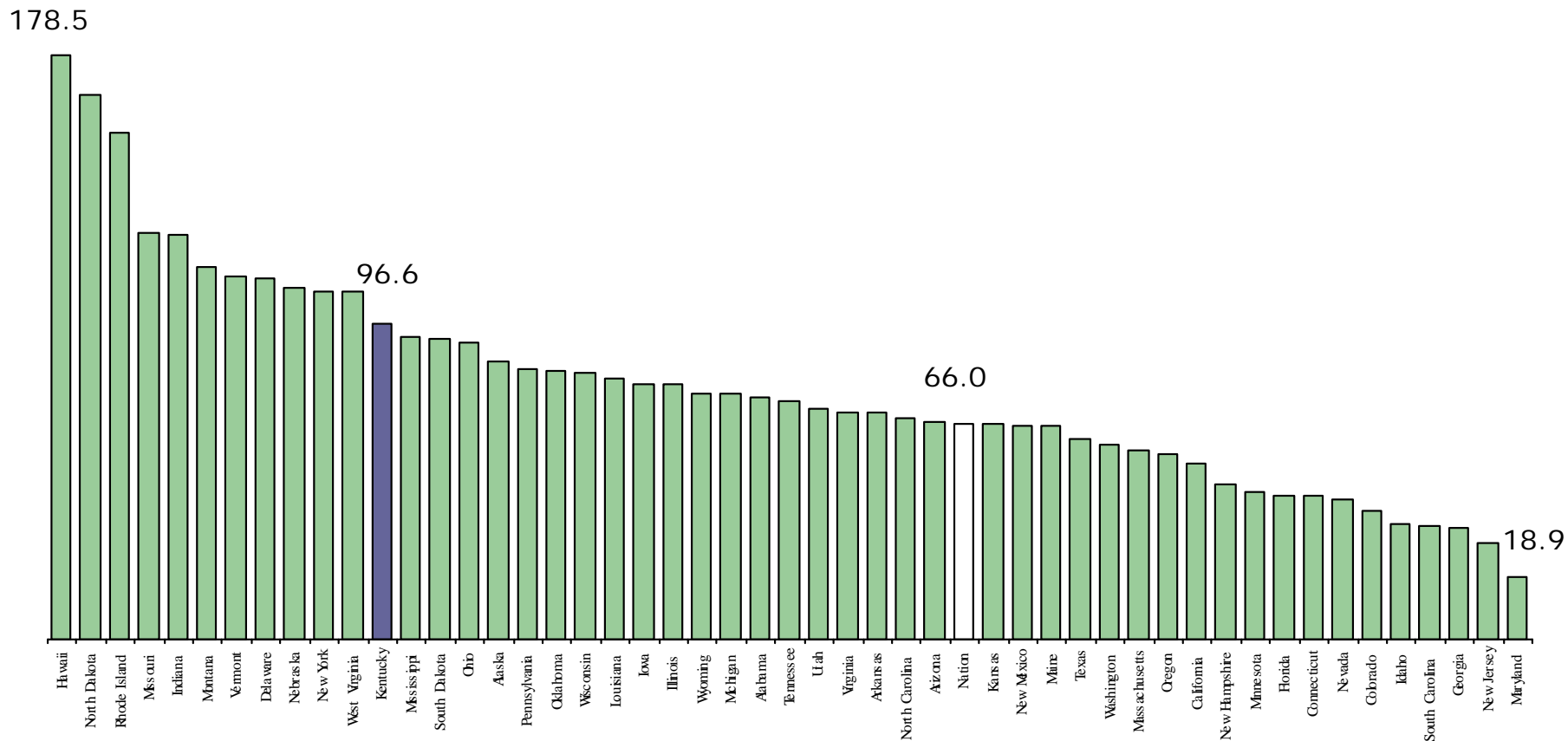
Source: U.S. Census, Public Use Microdata Samples, 2000

Bachelor's Degrees Awarded in Engineering Per 1,000 Engineering Occupations, 2001



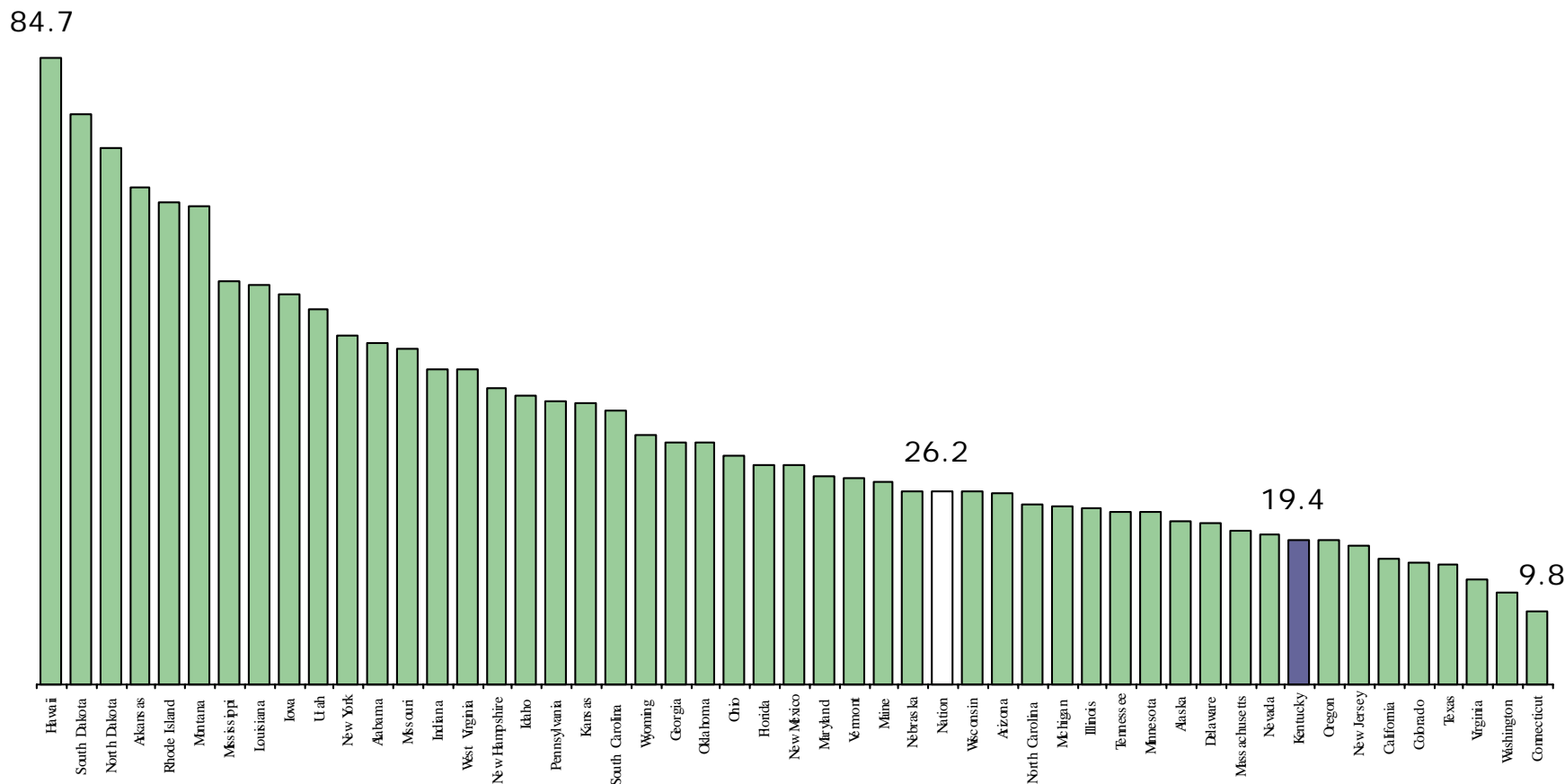
Note: Number of "occupations" equals number of current workers.
 Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

Degrees Awarded in Engineering Tech Per 1,000 Engineering Tech Occupations, 2001



Note: Number of "occupations" equals number of current workers.
 Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

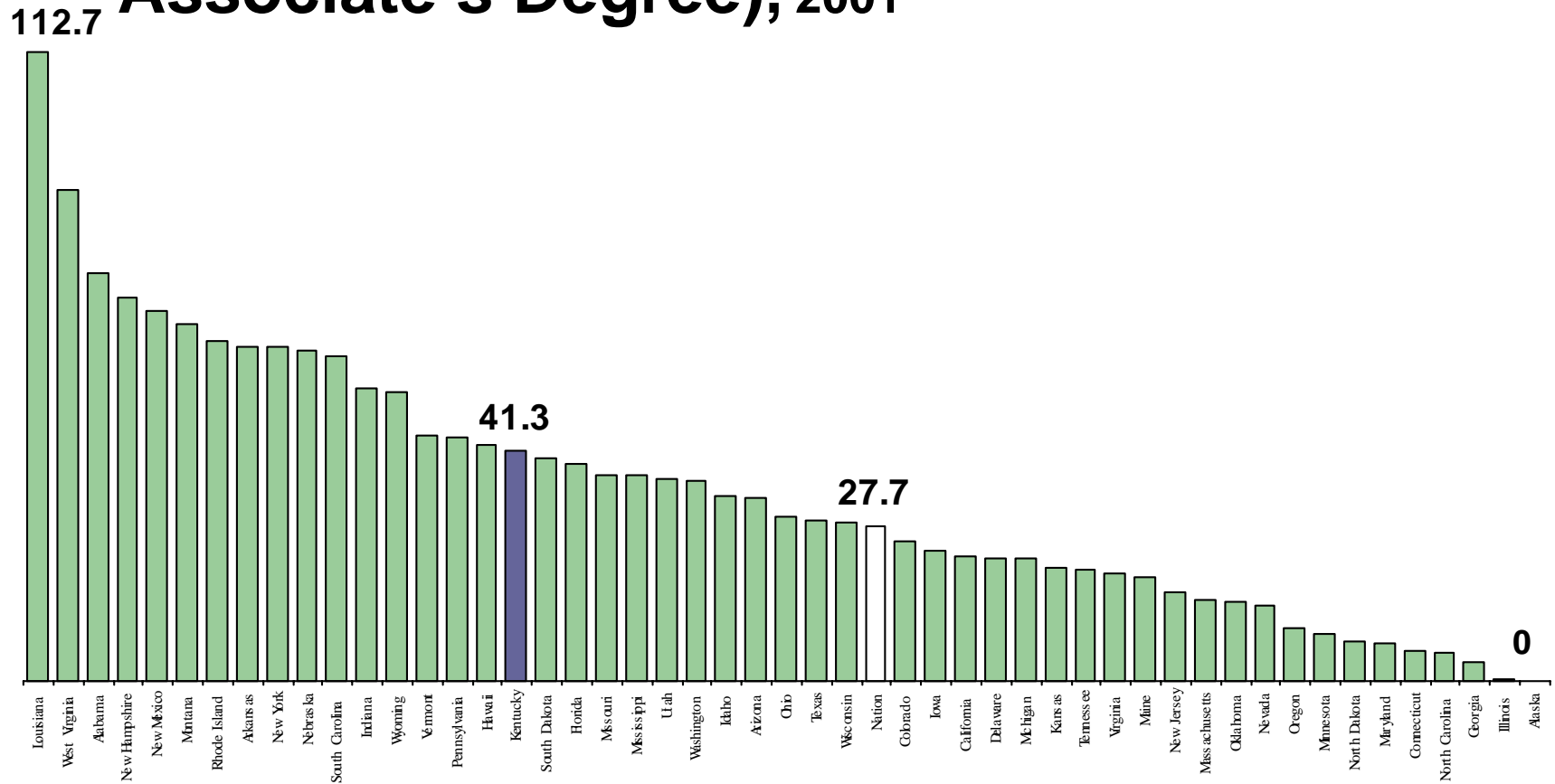
Bachelor's Degrees Awarded in Computer Science Per 1,000 Computer Science Occupations (Usually Requiring a Bachelor's Degree), 2001



Note: Number of "occupations" equals number of current workers.

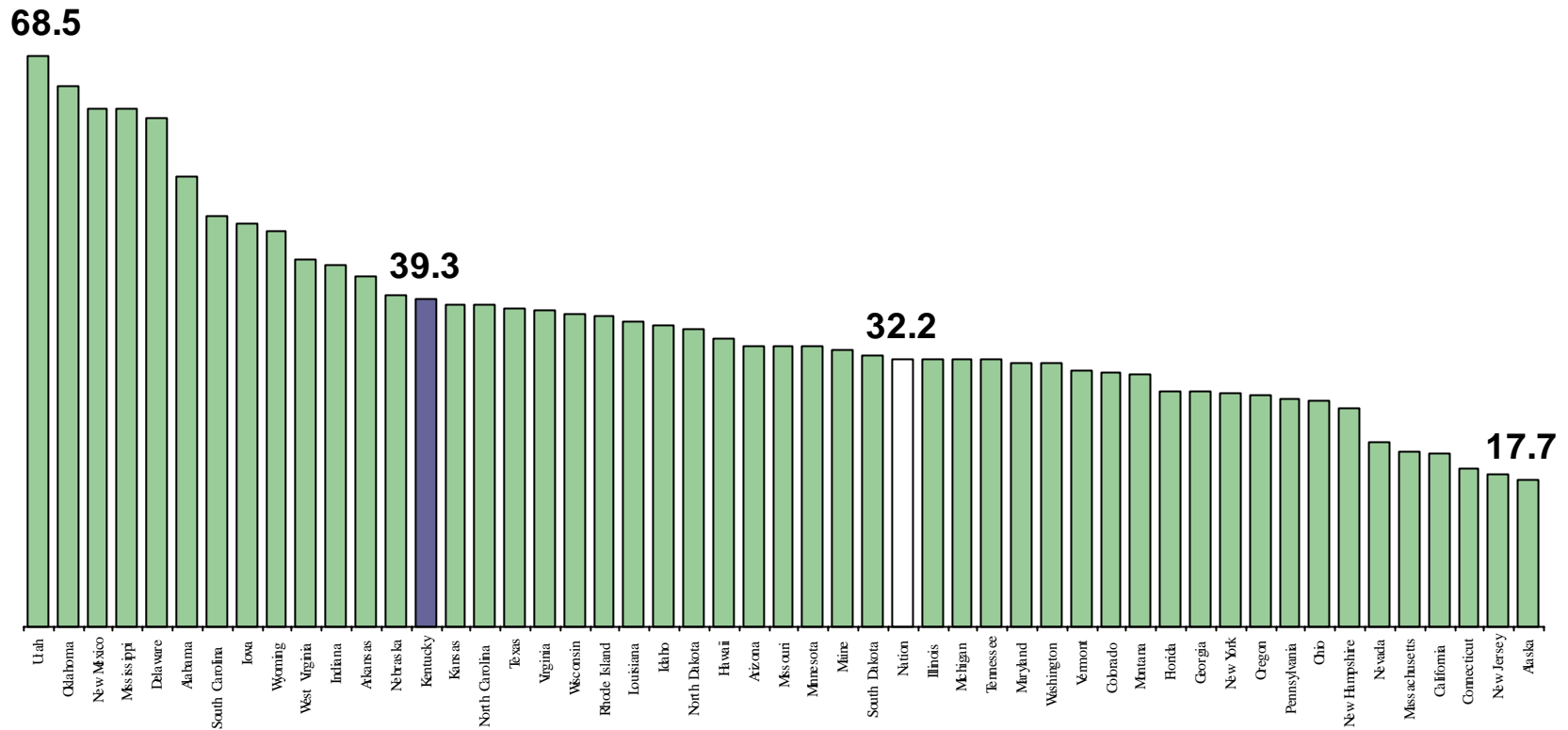
Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

Associate Degrees Awarded in Computer Science Per 1,000 Computer Science Occupations (Usually Requiring an Associate's Degree), 2001



Note: Number of "occupations" equals number of current workers.
 Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

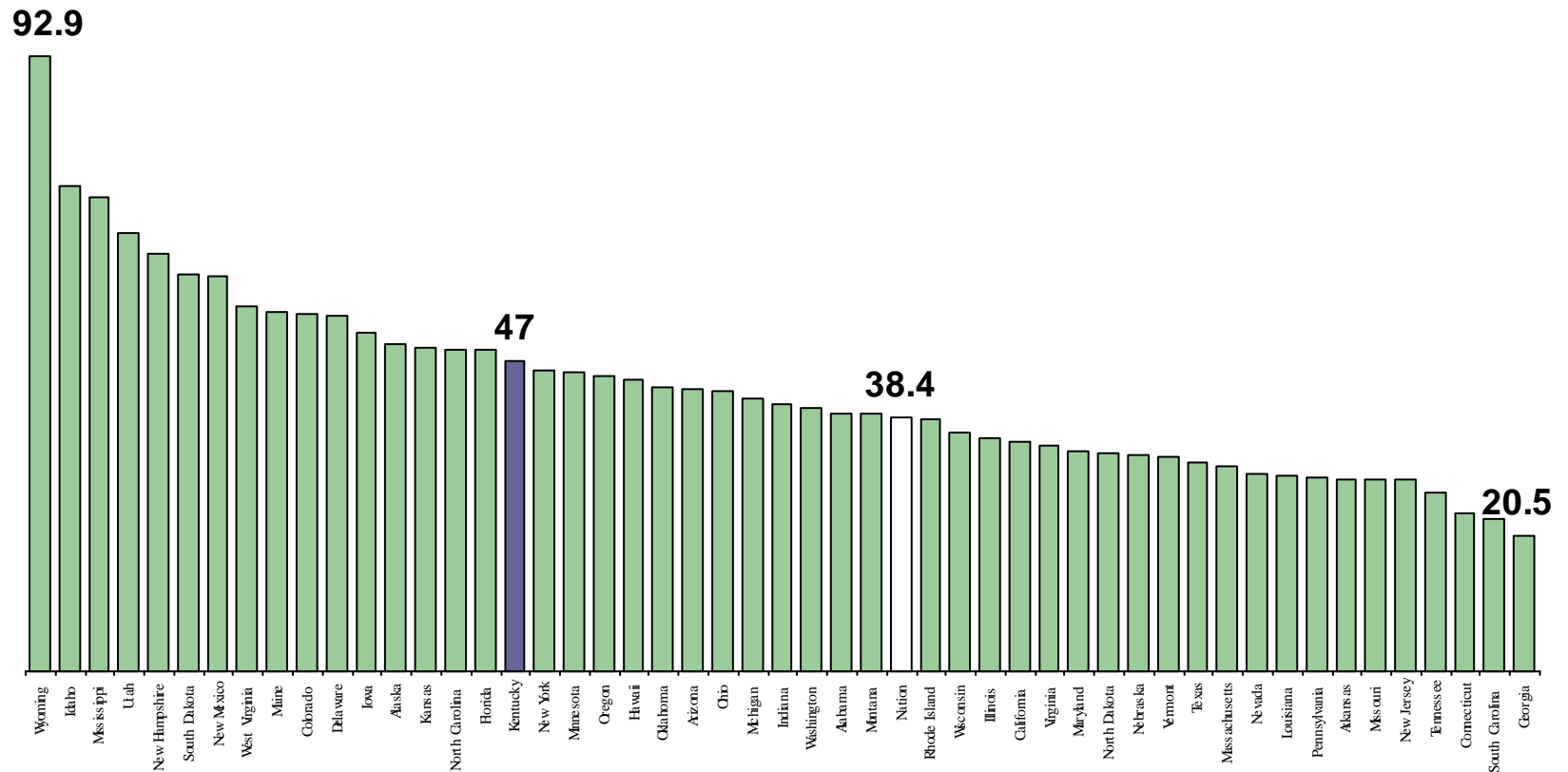
Degrees Awarded in Registered Nursing Per 1,000 Registered Nursing Occupations, 2001



Note: Number of "occupations" equals number of current workers.

Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

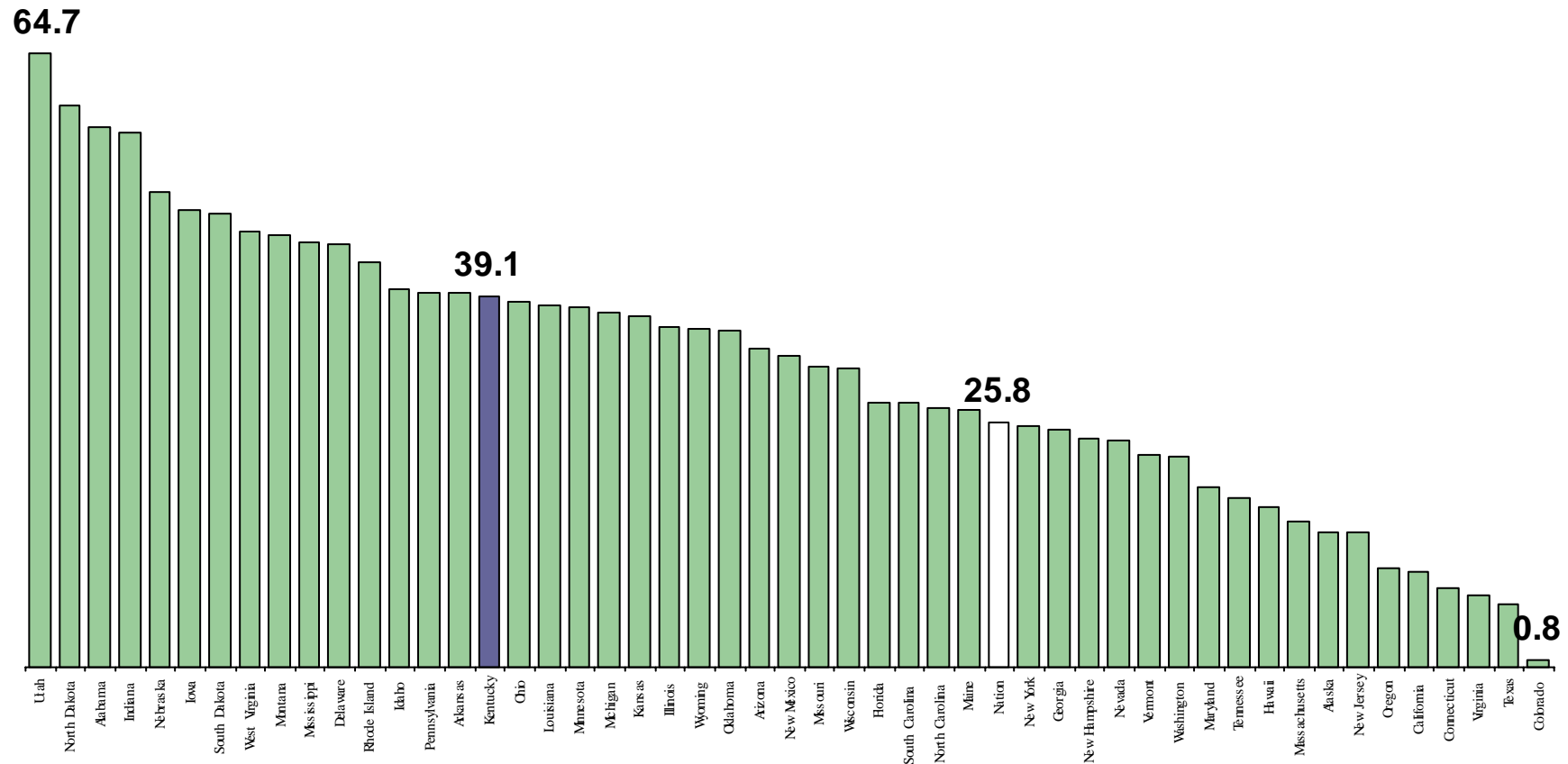
Degrees Awarded in Health Tech Per 1,000 Health Tech Occupations, 2001



Note: Number of "occupations" equals number of current workers.

Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

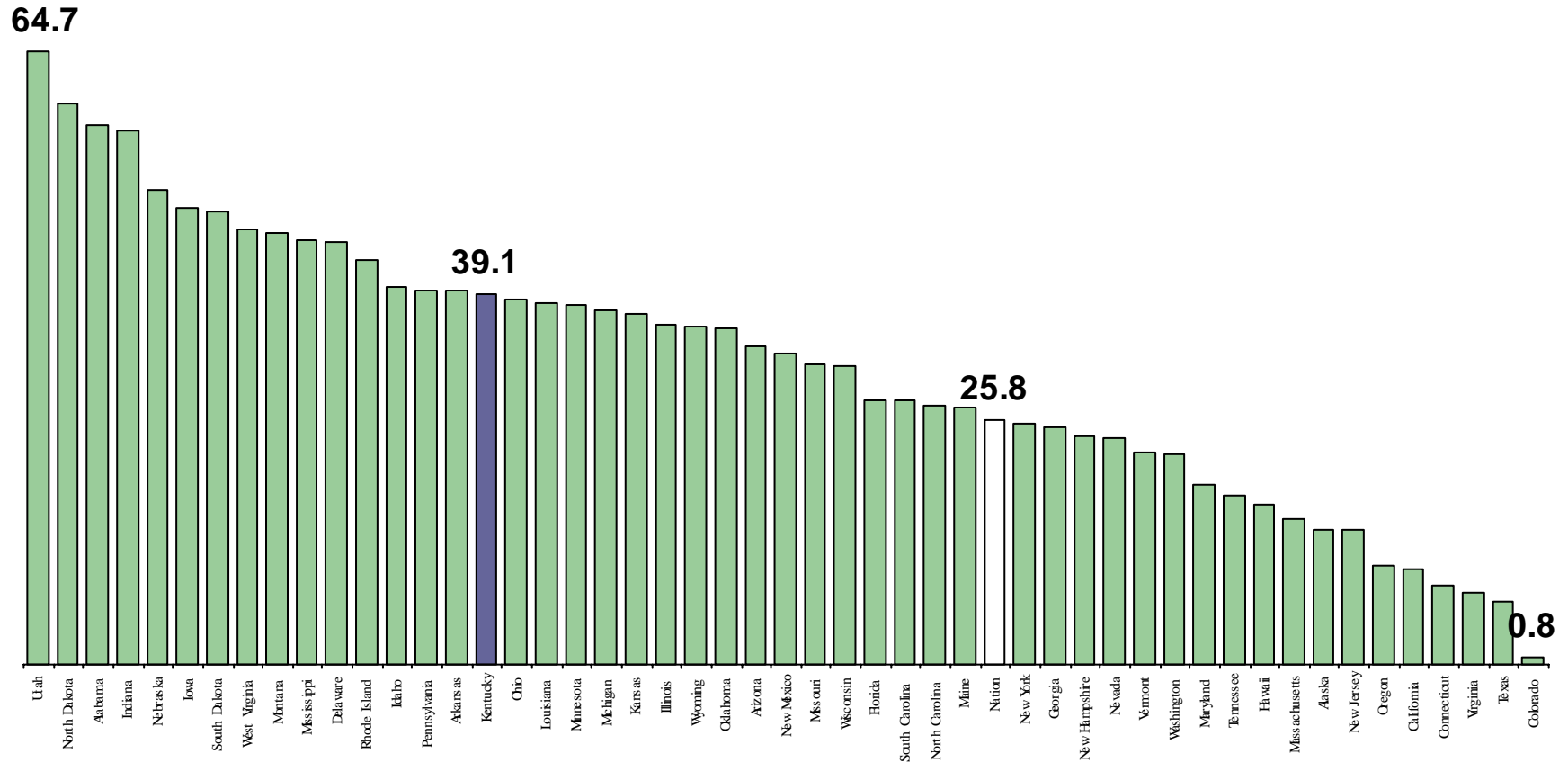
Bachelor's Degrees Awarded in Elementary and Secondary Education Per 1,000 Teaching Occupations, 2001



Note: Number of "occupations" equals number of current workers.

Source: NCES, IPEDS Completions Survey, US Bureau of Labor Statistics

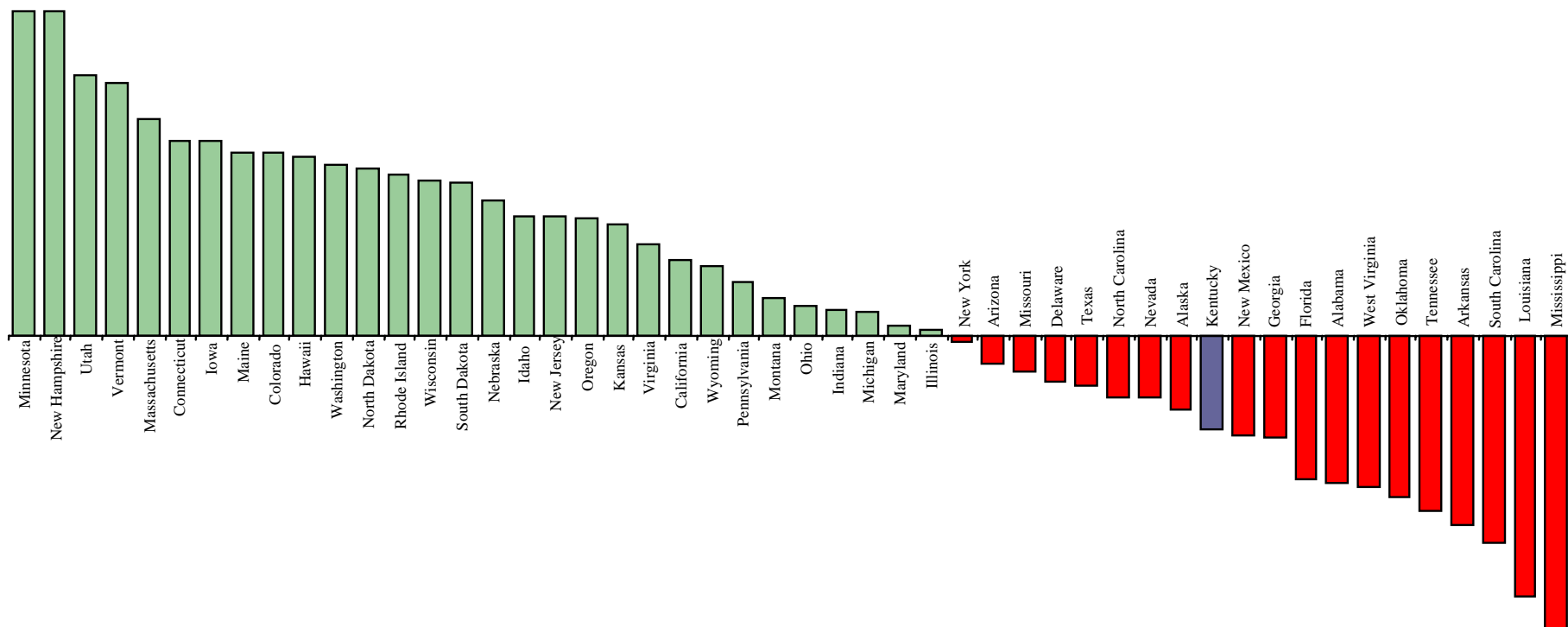
Medical Doctors per 100,000 Population








Benefits/Economy



State Health Rankings, 2003

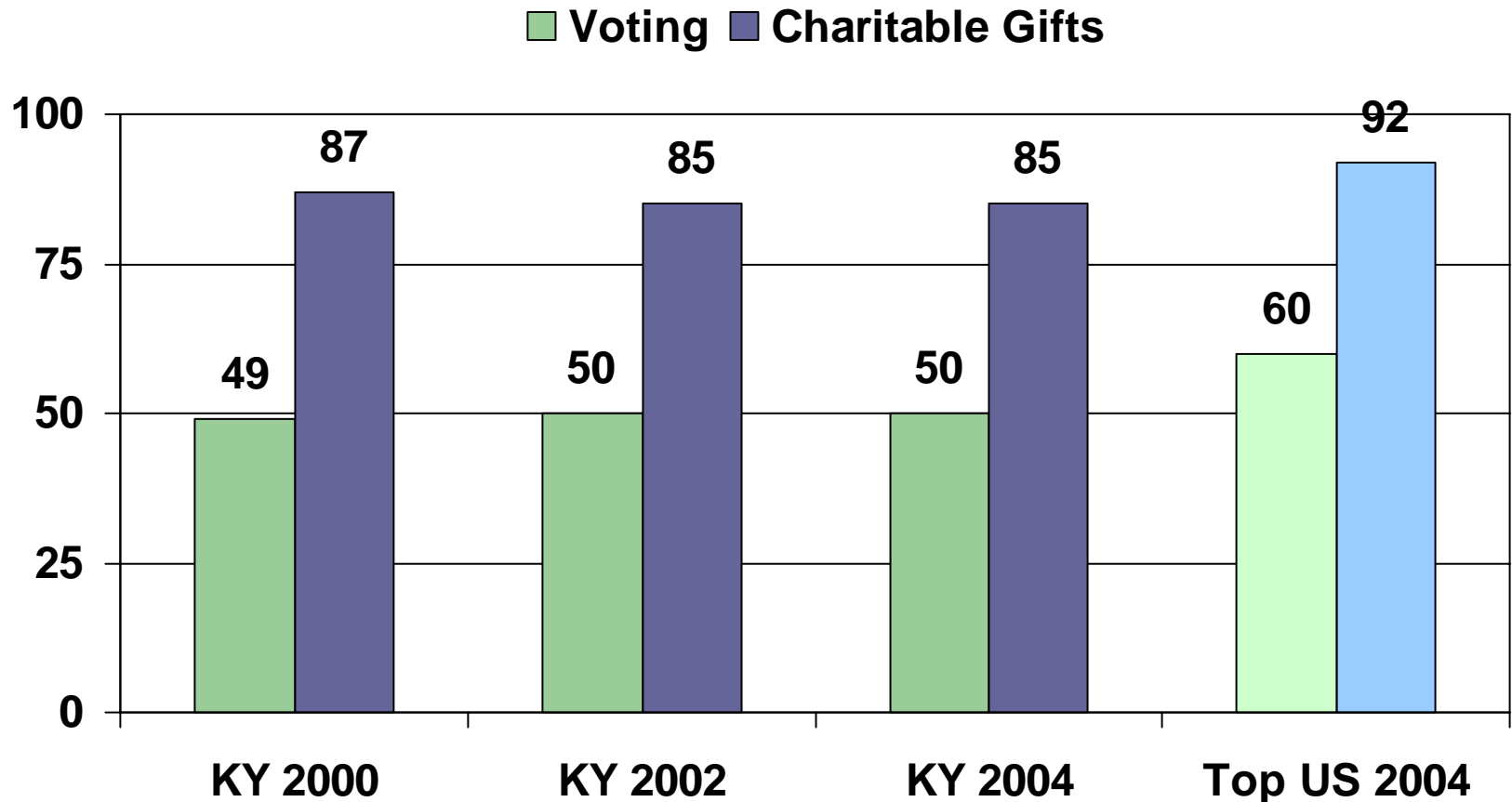


Age-Adjusted Mortality Rate per 100,000 Total Population, 1995-1999

 5 Highest
 4
 3
 2
 1 Lowest



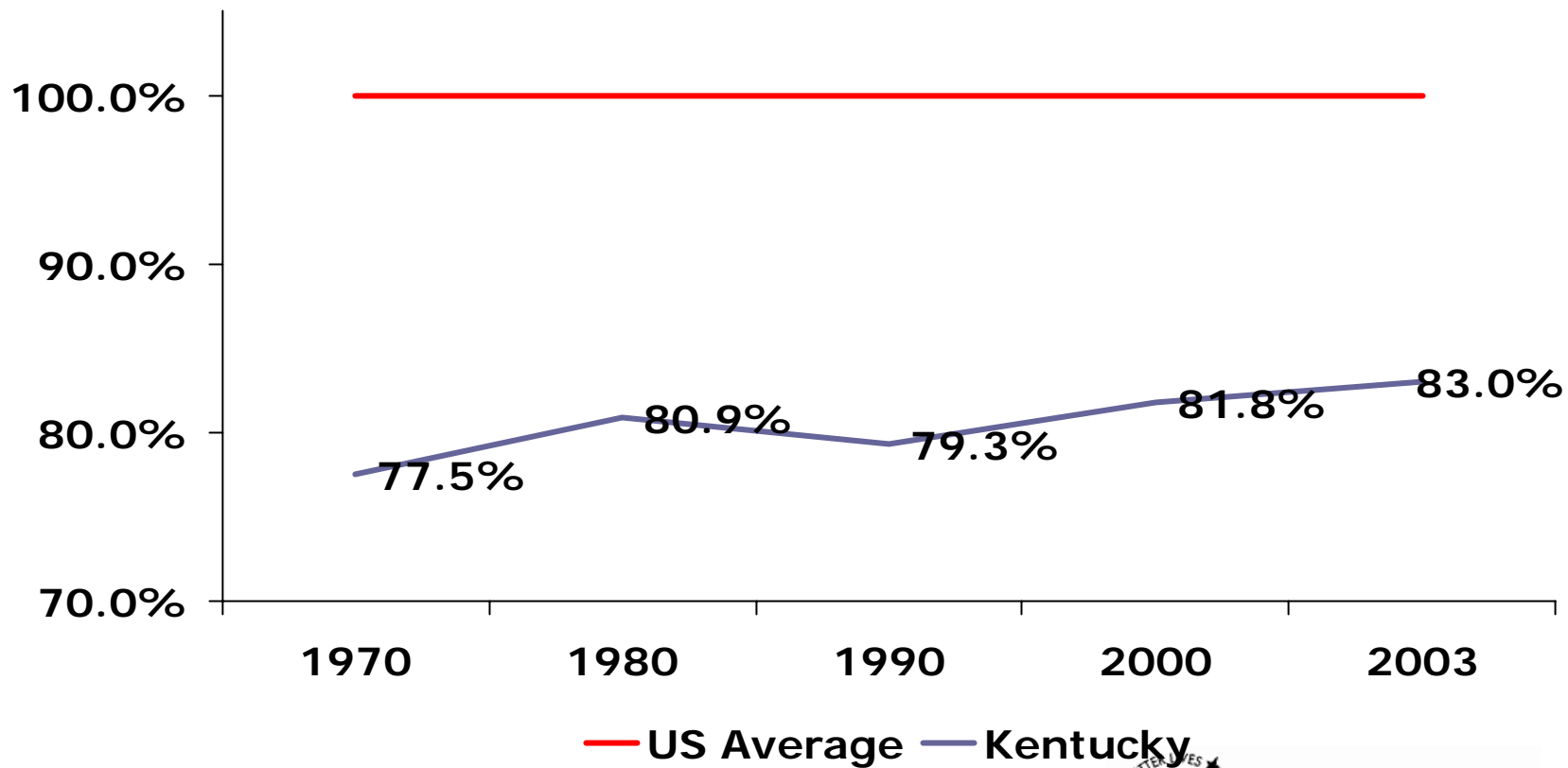
Civic Benefit Measures



Source: Measuring Up

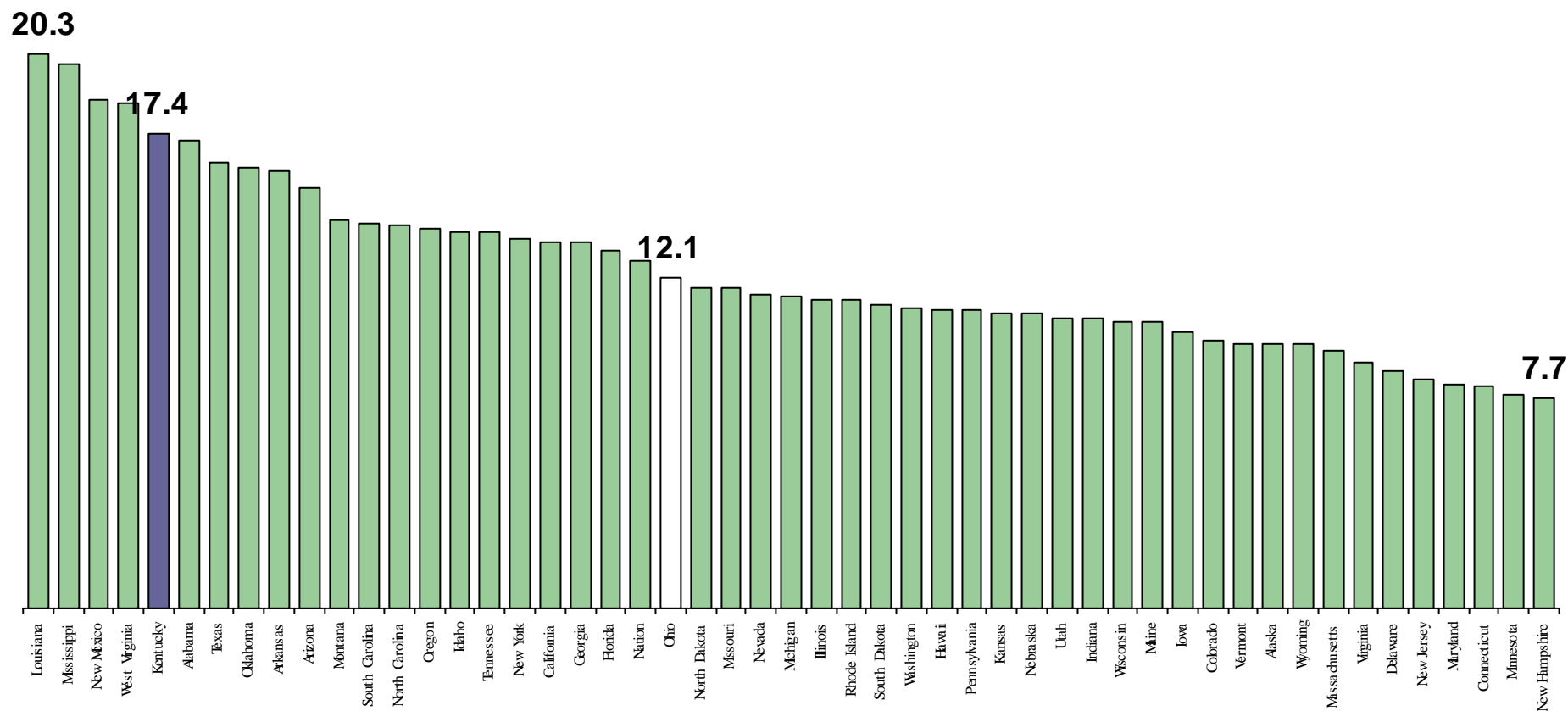
Income/Poverty

Kentucky Per Capita Personal Income as a Percentage of U.S. Average, 1970-2003



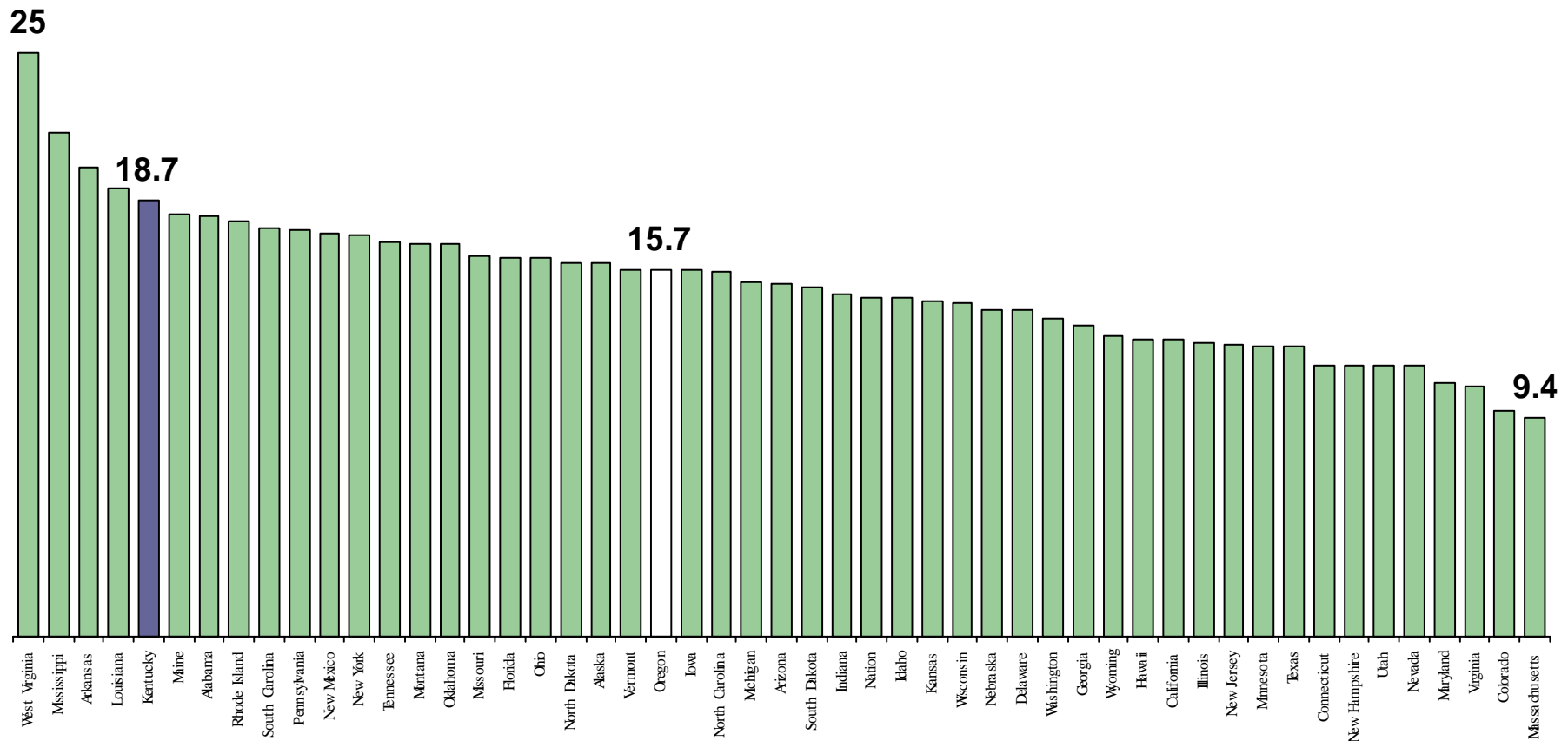
Source: U.S. Bureau of Economic Analysis

Percent of People Below Poverty Level in the Past 12 Months, 2003



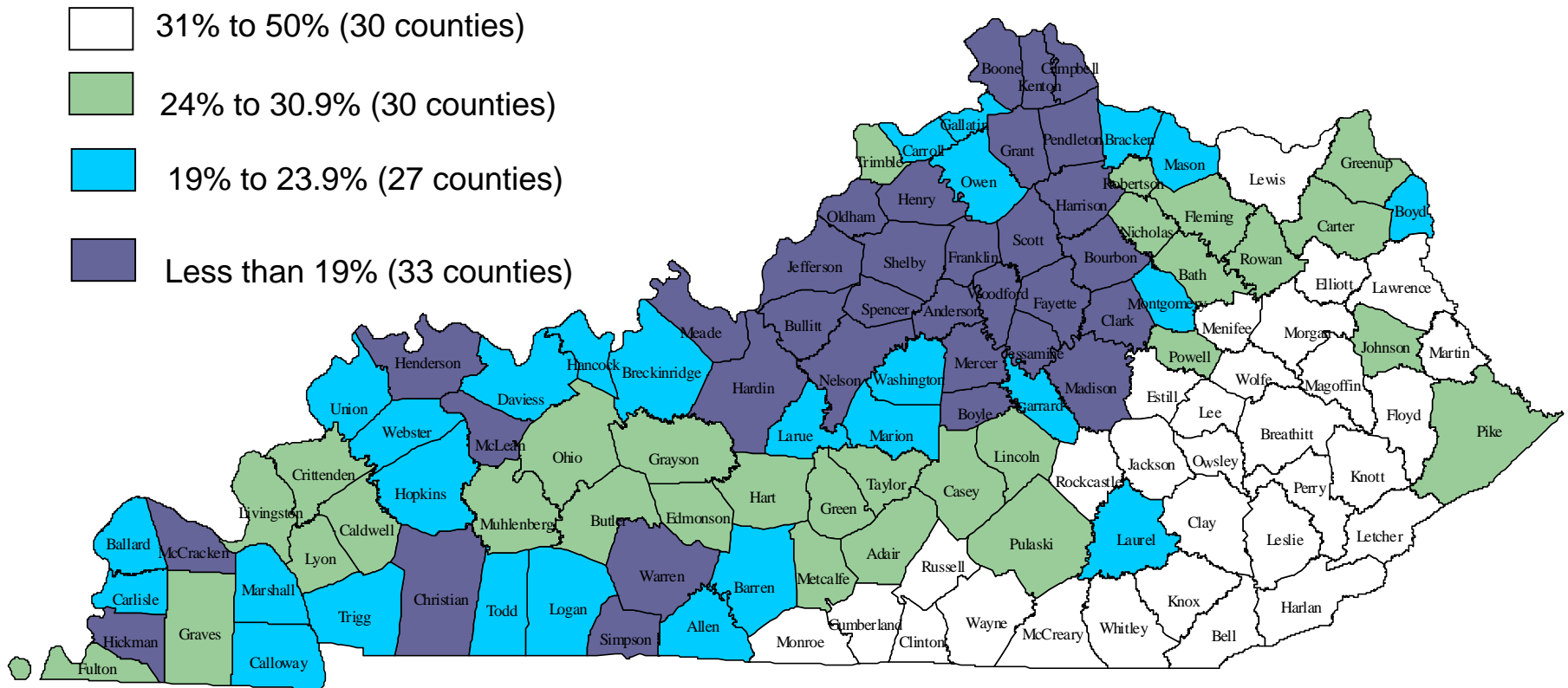
Source: US Census Bureau, 2003 American Community Survey

Percent of Transfer Receipts of Personal Income, 2002

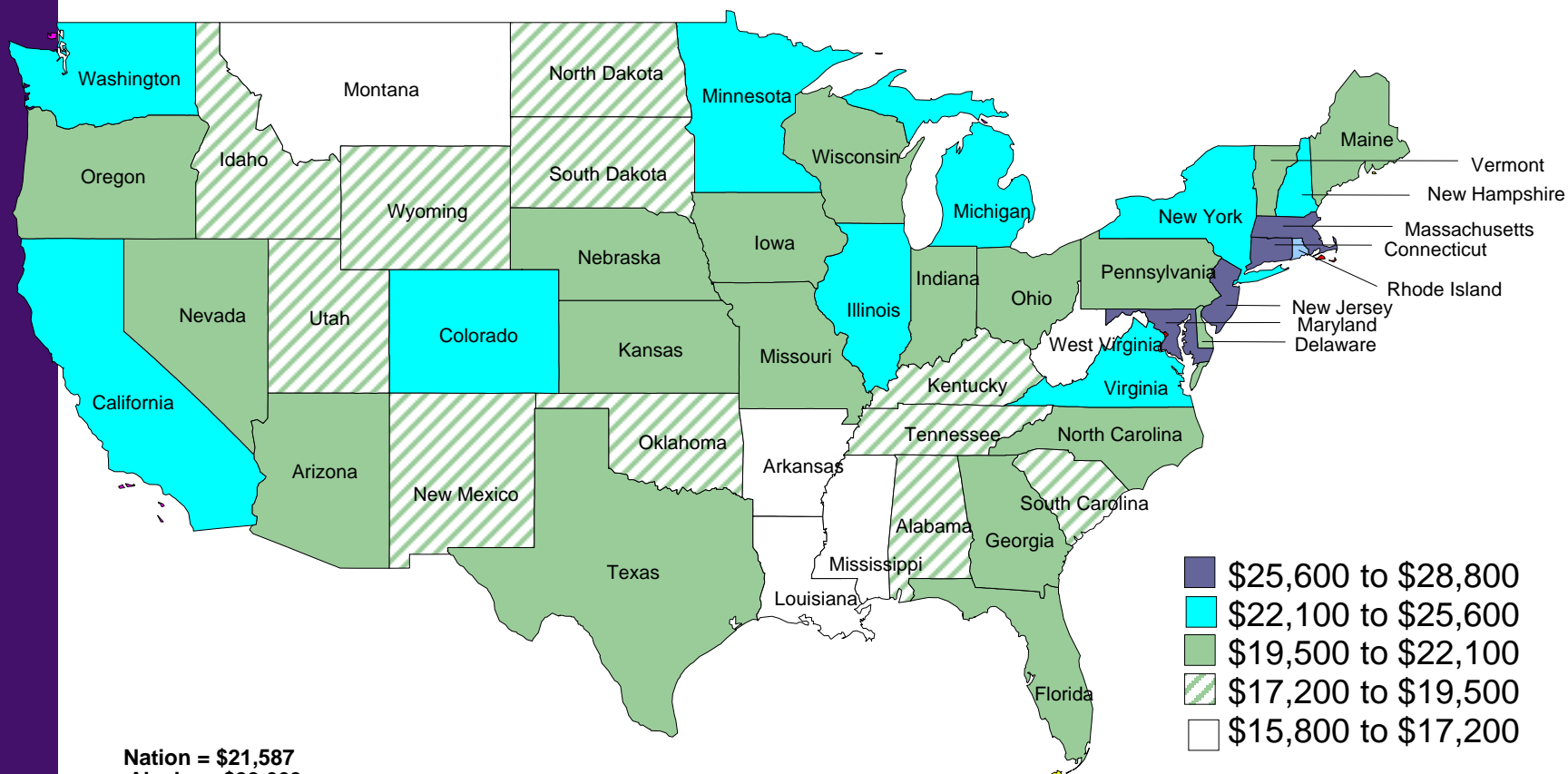


Source: US Department of Commerce, Bureau of Economic Analysis

Transfer Receipts as a Percent of Personal Income, 2002

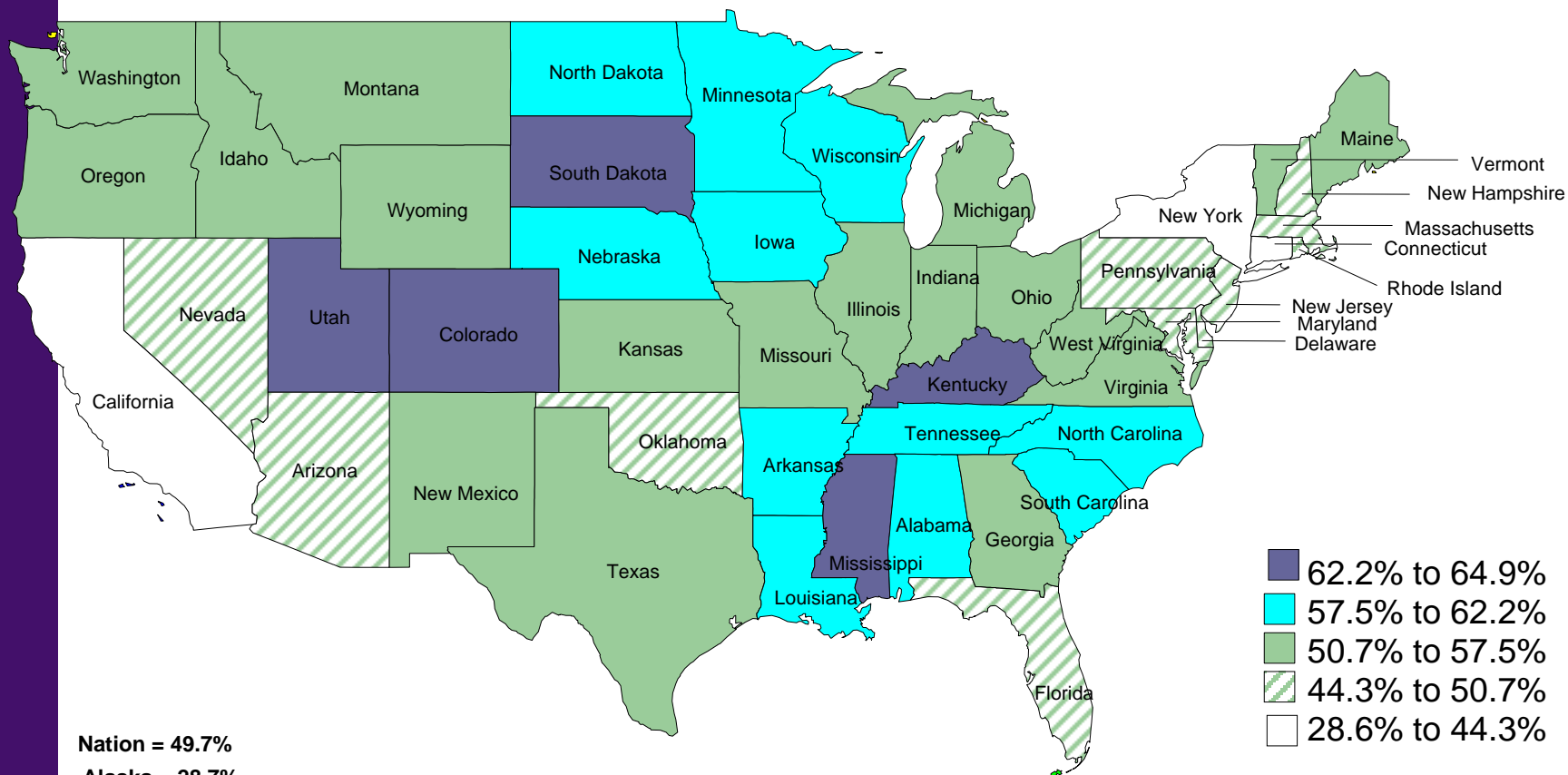


Per Capita Personal Income by State, 2000



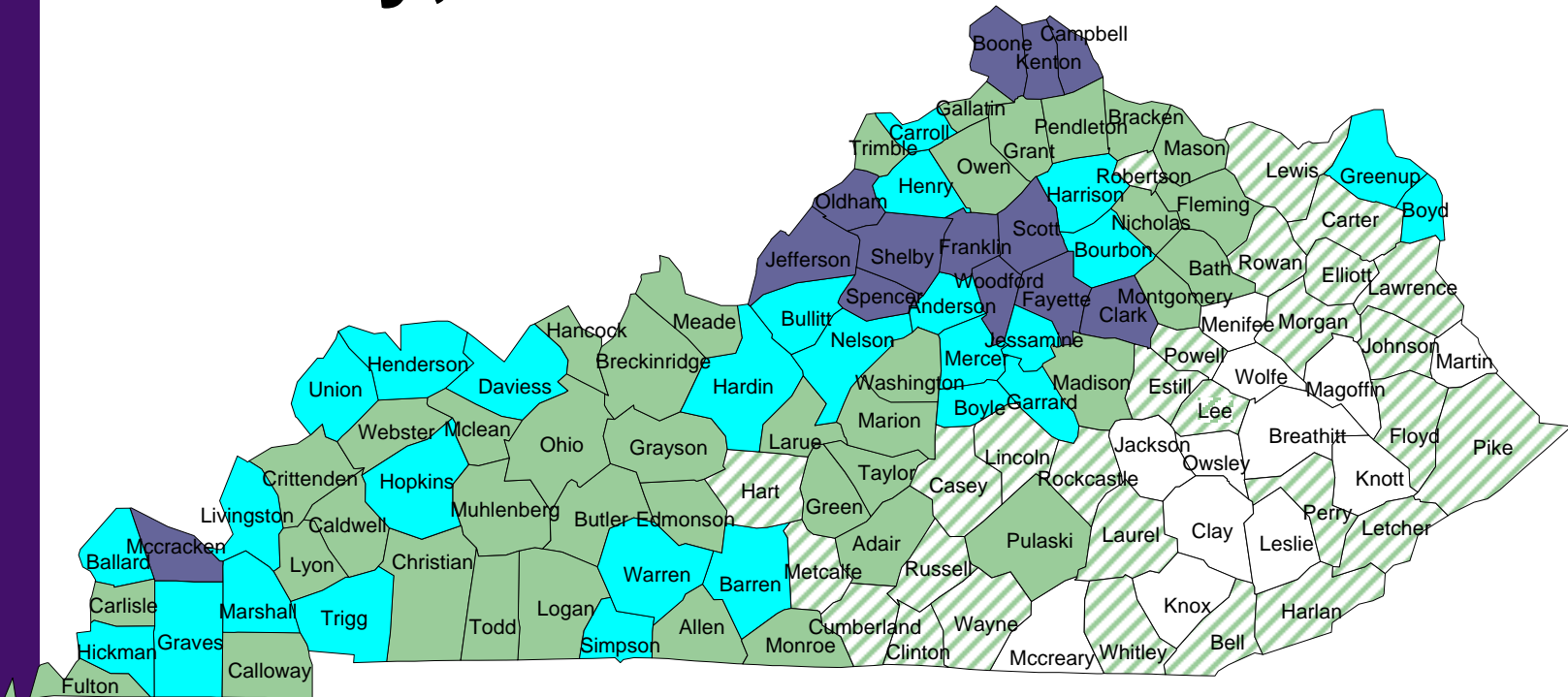
Nation = \$21,587
Alaska = \$22,660
Hawaii = \$21,525
District of Columbia = \$28,659
Data Source: 2000 Census

Percent Change in Per Capita Personal Income by State, 1990 to 2000








Nation = 49.7%
 Alaska = 28.7%
 Hawaii = 36.5%
 District of Columbia = 51.8%
 Data Source: 1990, 2000 Census

Per Capita Personal Income by County, 2000

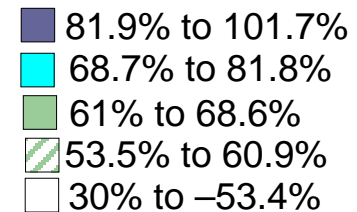
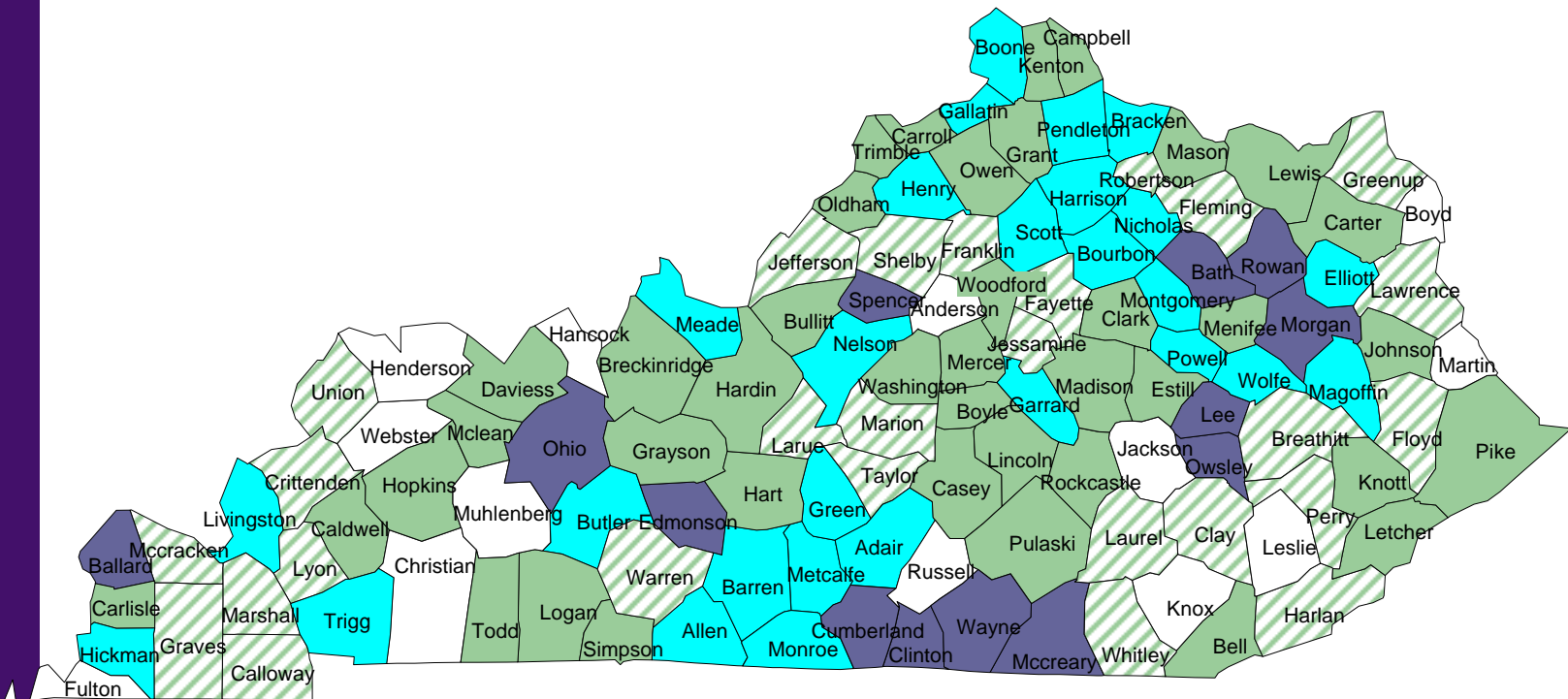


Kentucky = \$18,093

Data Source: 2000 Census

 \$19,100 to \$25,400
 \$16,800 to \$19,099
 \$14,200 to \$16,799
 \$11,500 to \$14,199
 \$9,700 to \$11,499

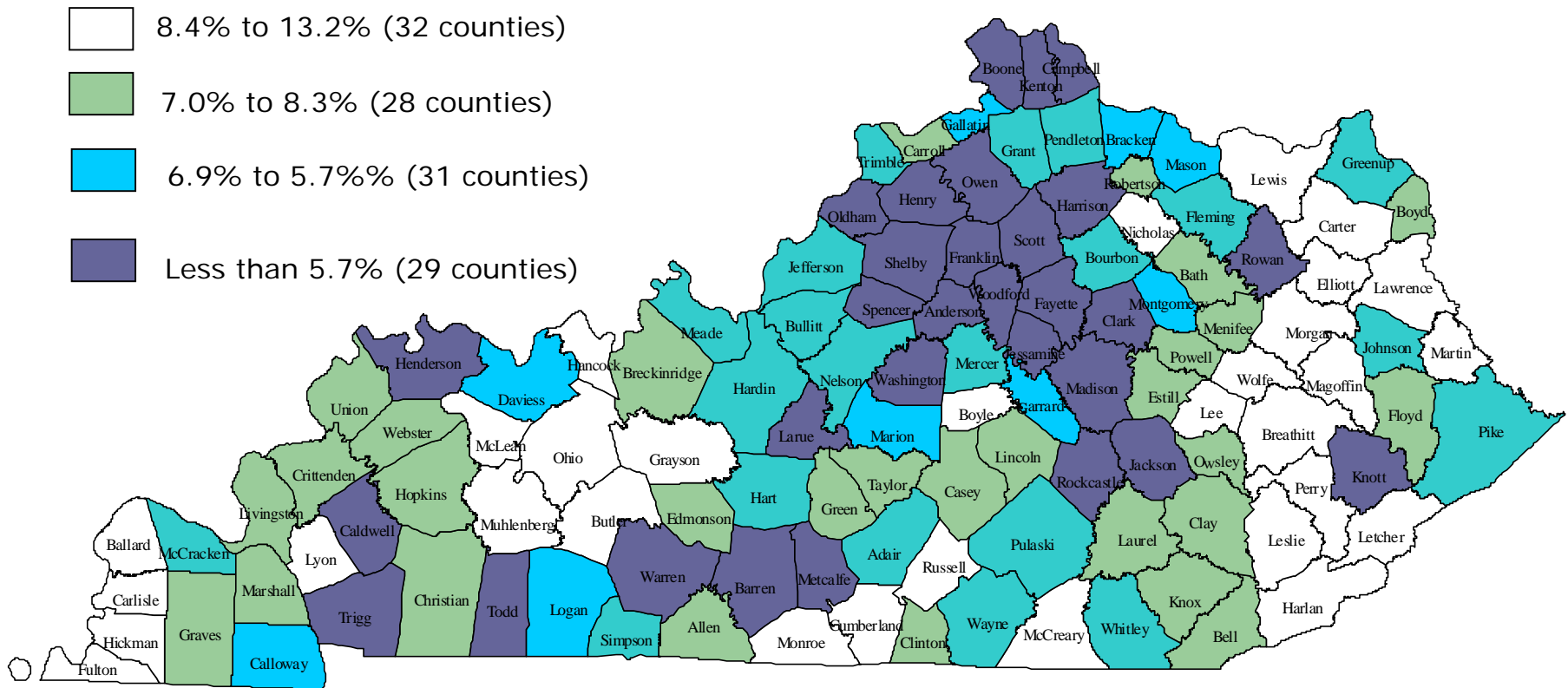
Percent Change in Per Capita Personal Income by County, 1990 to 2000



Kentucky = 62.2%

Data Source: 1990, 2000 Census

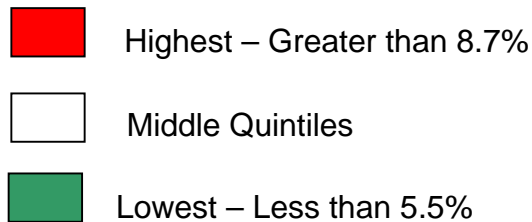
Unemployment Rate by County, 2003



Source: US Department of Commerce, Bureau of Economic Analysis

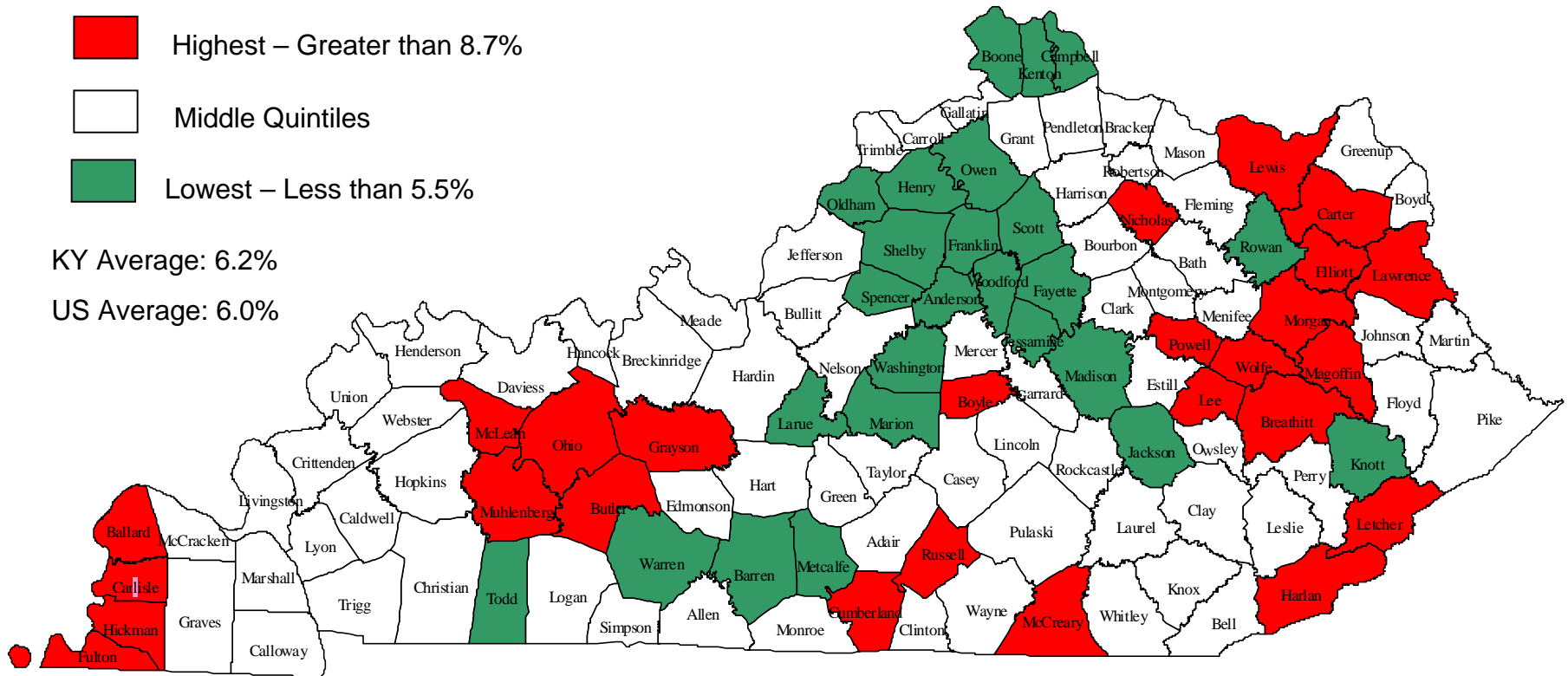
Unemployment Rate by Quintile and County, 2003

Quintile Range

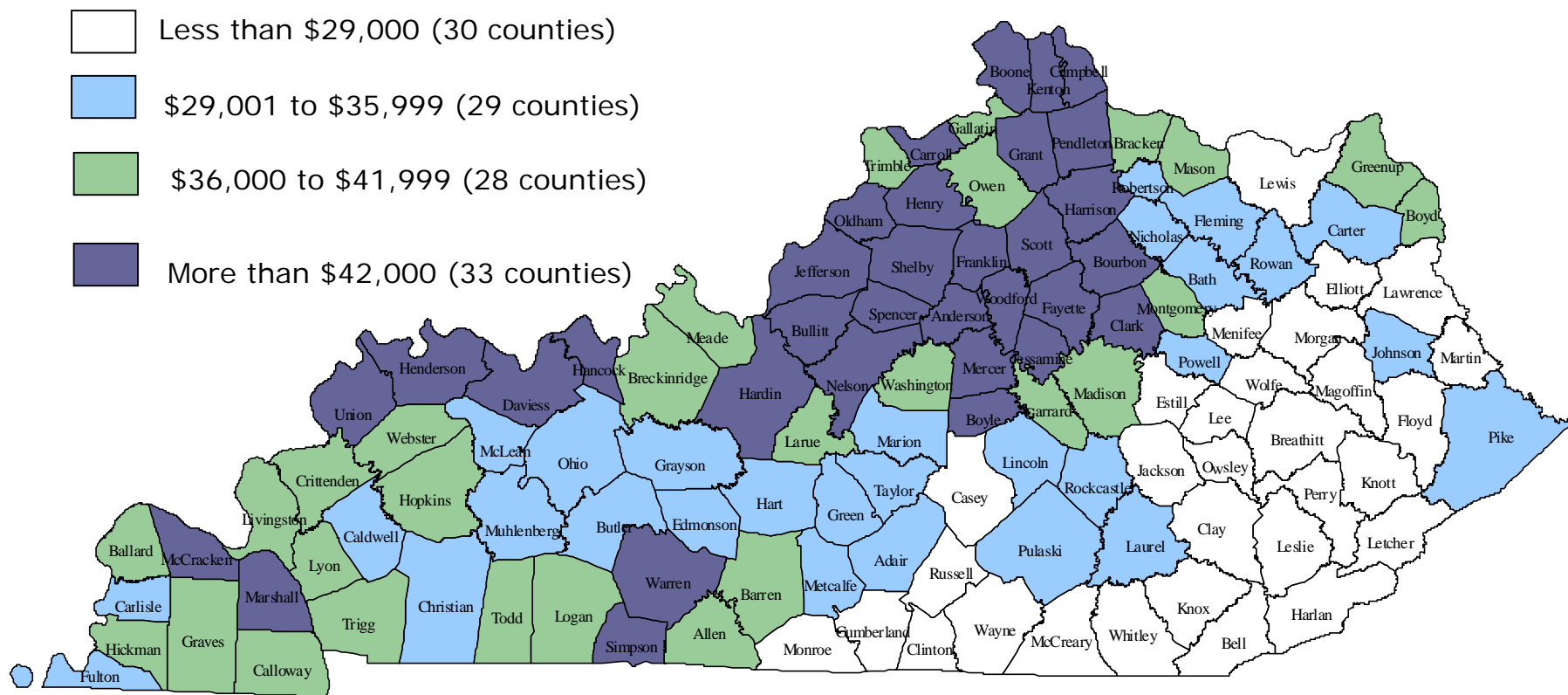


KY Average: 6.2%

US Average: 6.0%



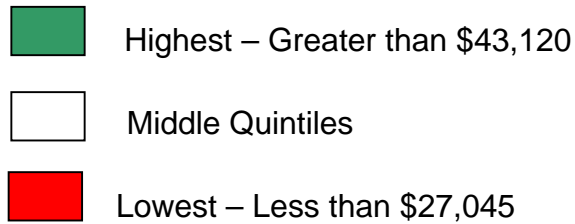
Median Family Income by County, 1999



Source: Kentucky State Data Center, U.S. Census Bureau

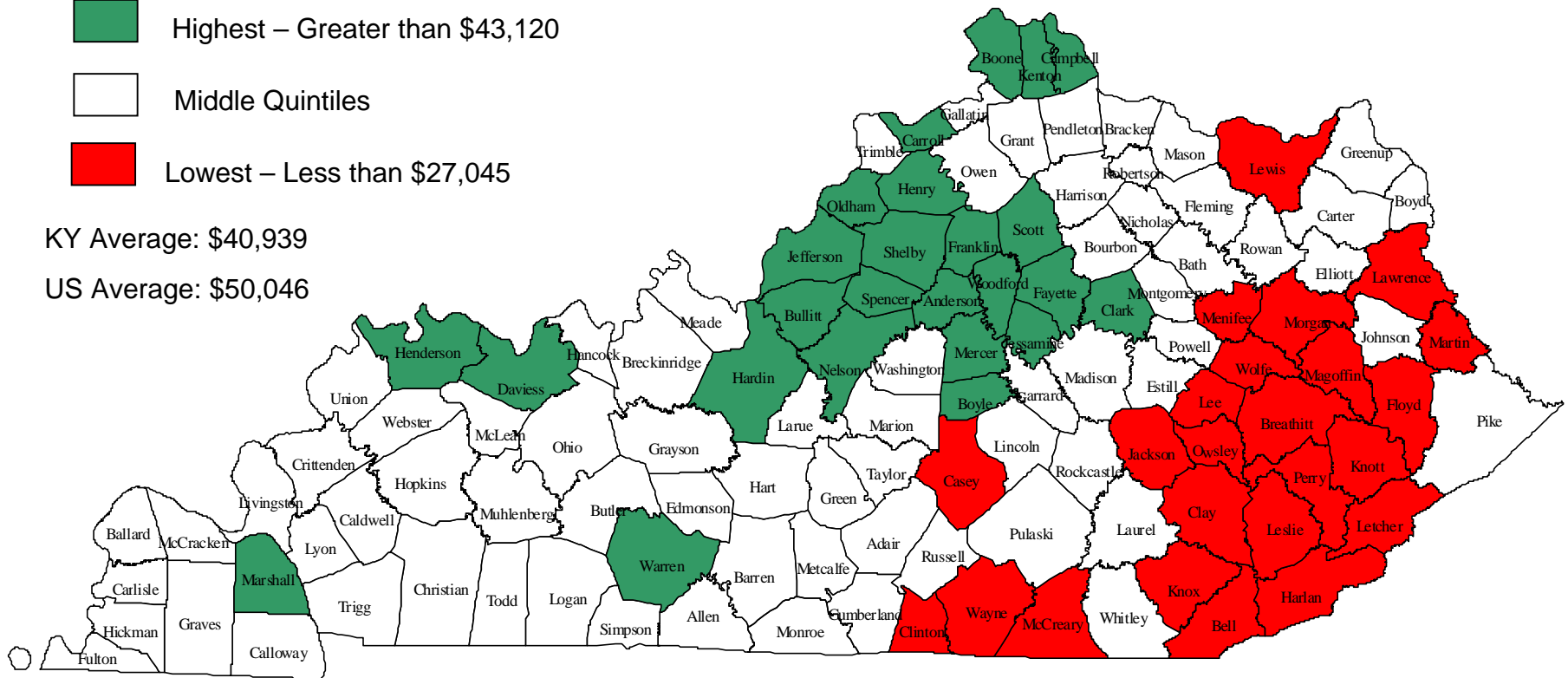
Median Family Income by Quintile and County, 1999

Quintile Range

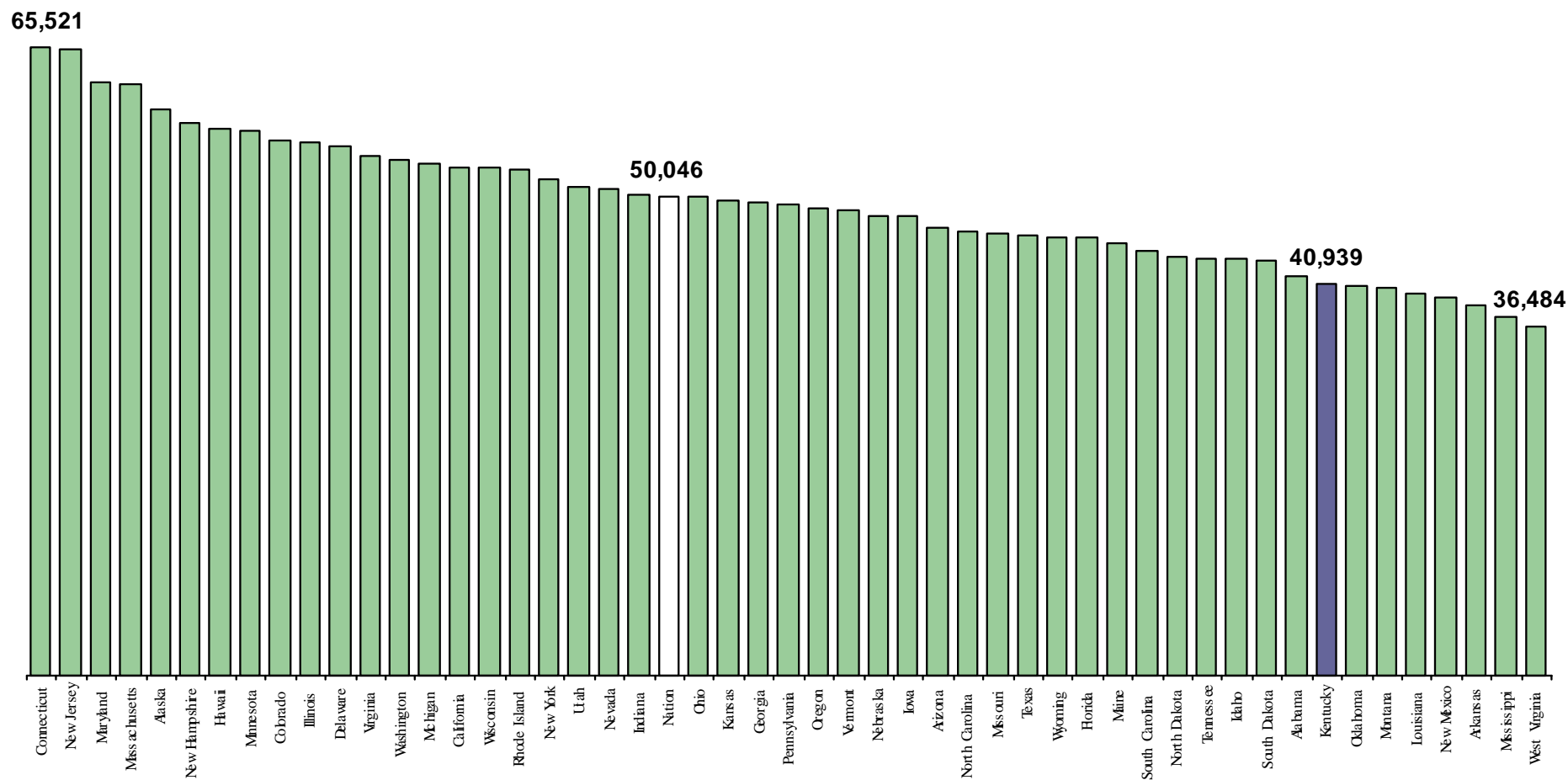


KY Average: \$40,939

US Average: \$50,046



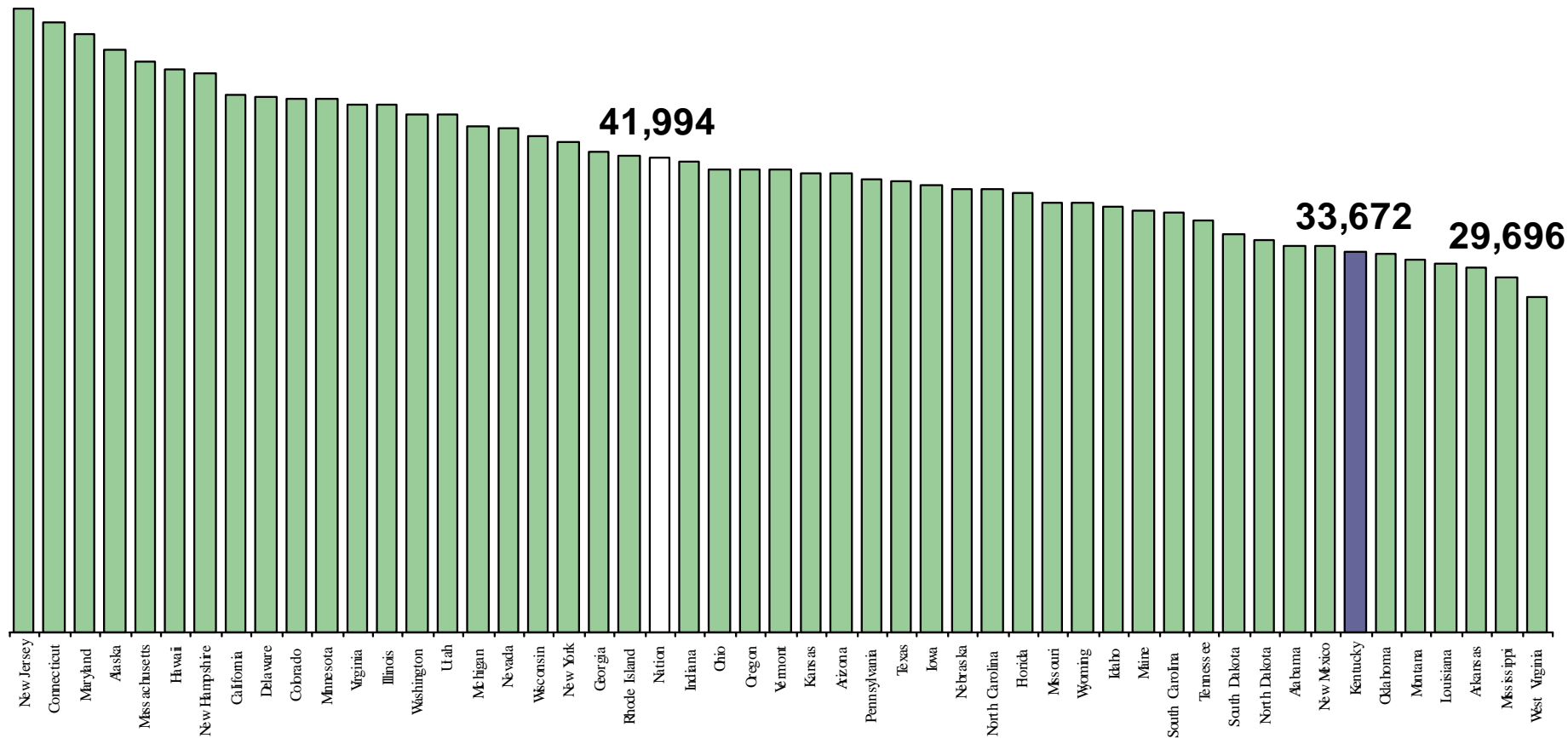
Median Family Income by State, 1999



Source: U.S. Census Bureau

Median Household Income by State, 1999

55,146

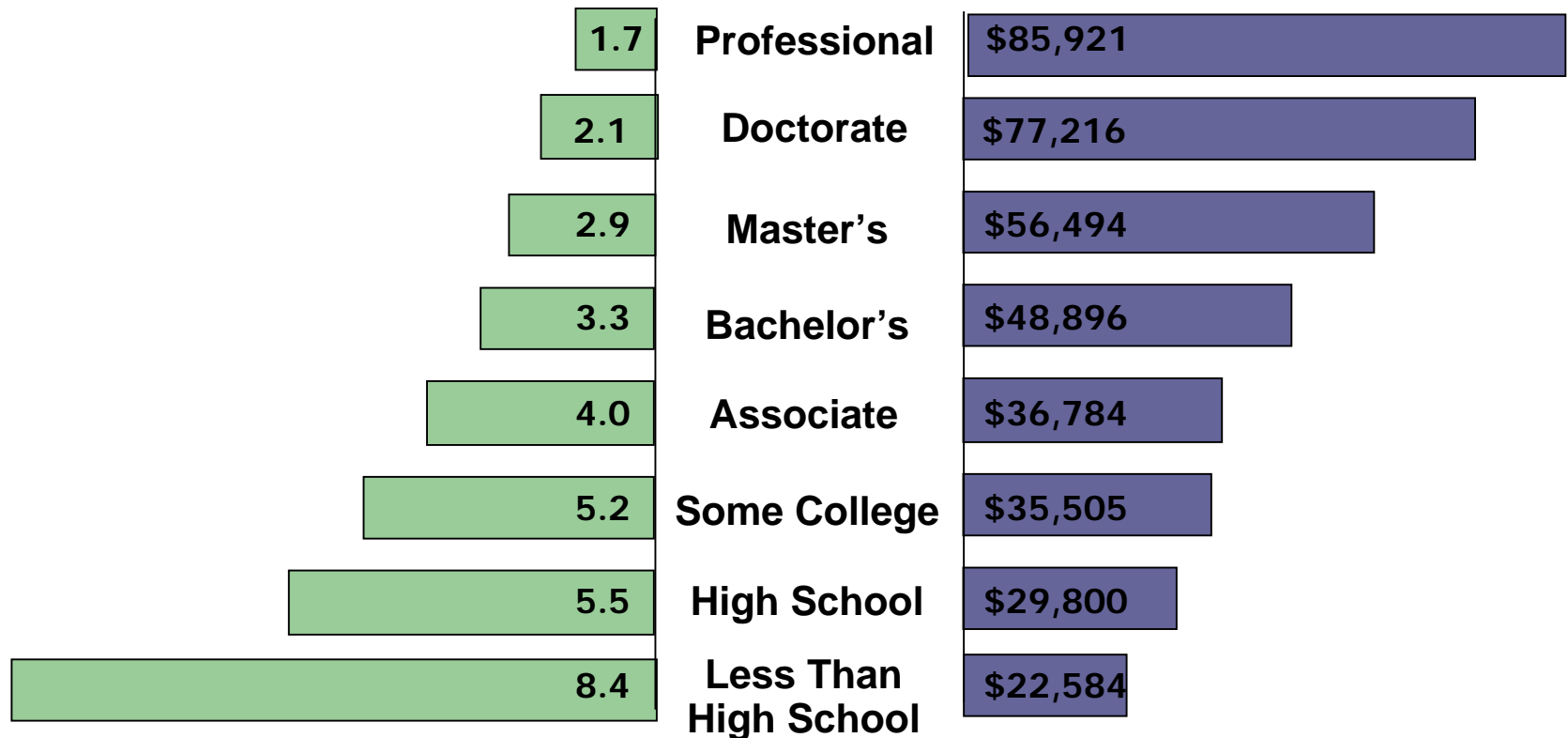


Source: U.S. Census Bureau

Income and Educational Attainment

Unemployment Rate in 2003

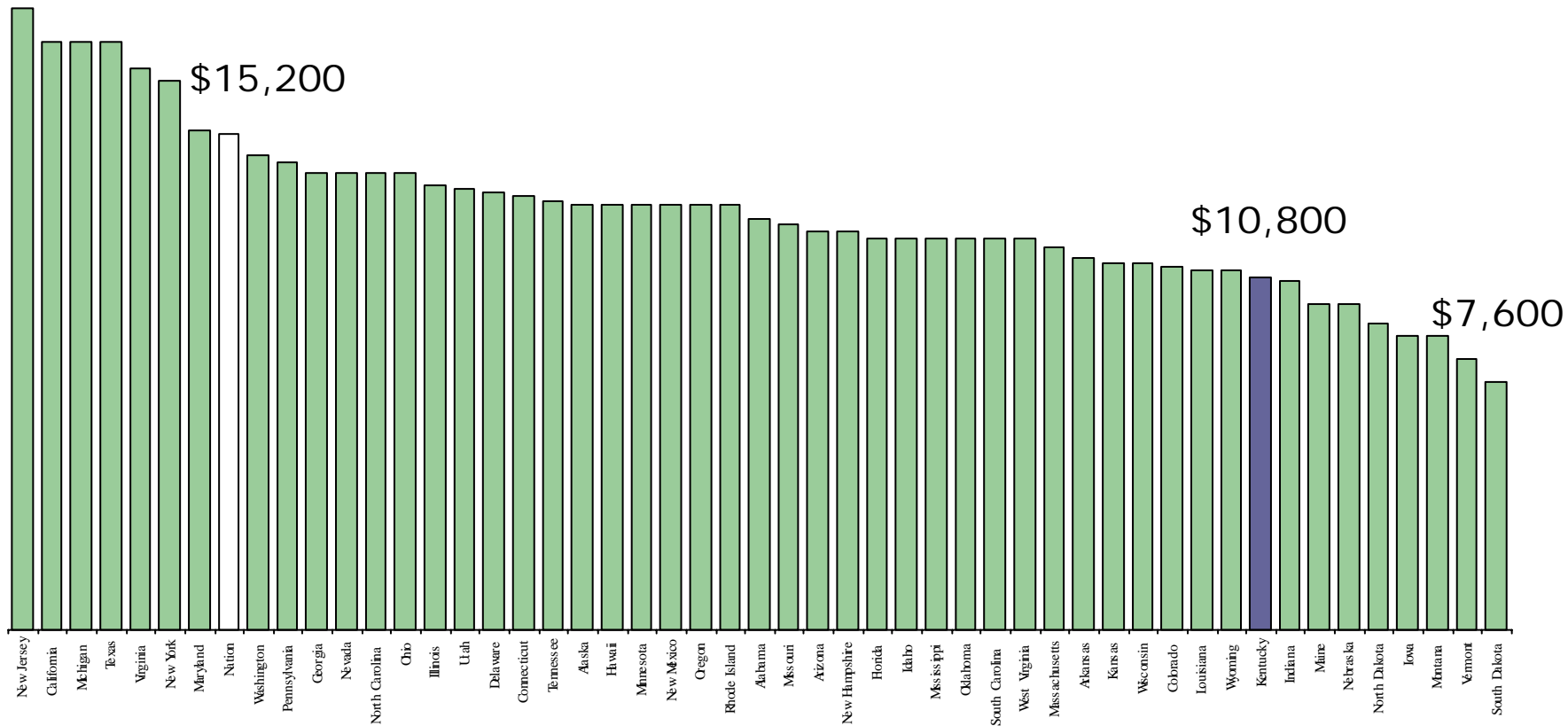
Median Earnings in 2002



Source: Postsecondary Education Opportunity

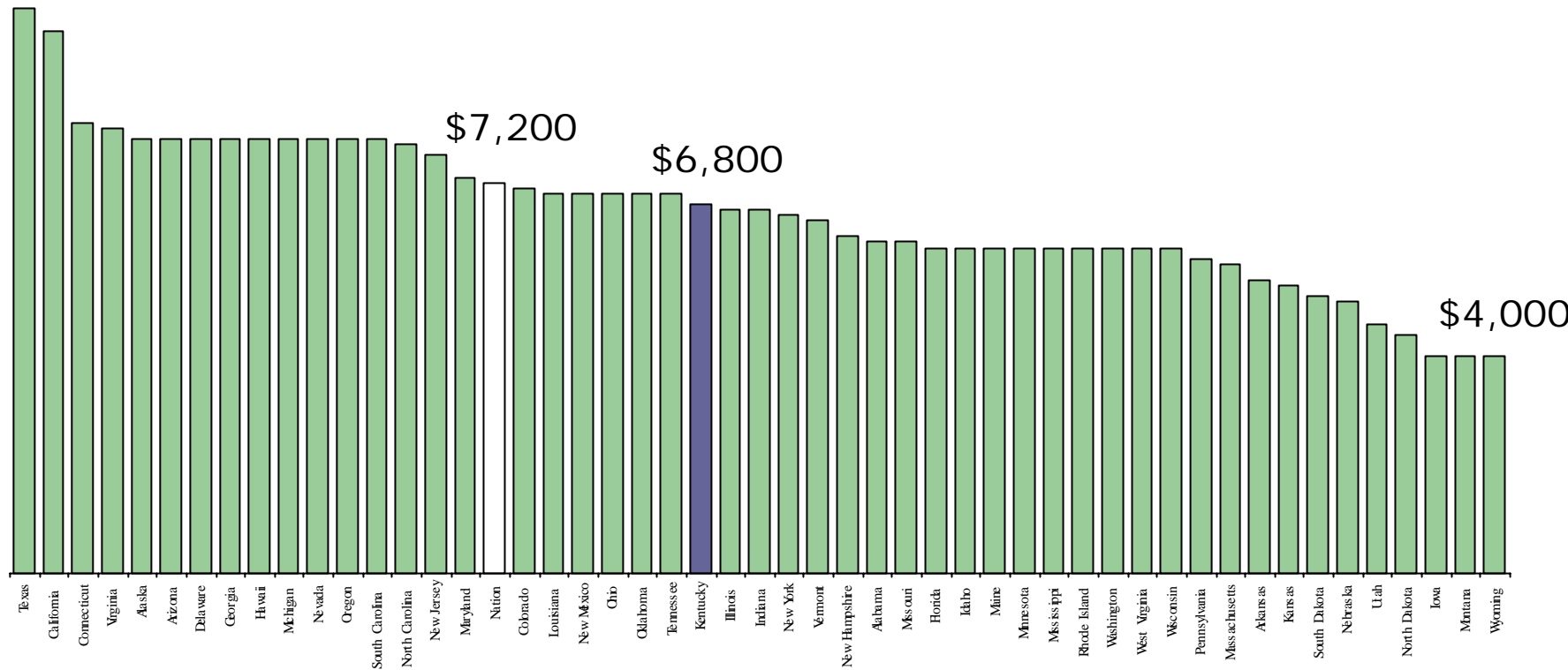
Difference in Median Earnings between a High School Diploma and a Bachelor's Degree, 2000

\$19,000



Difference in Median Earnings between a High School Diploma and an Associate's Degree, 2000

\$10,400



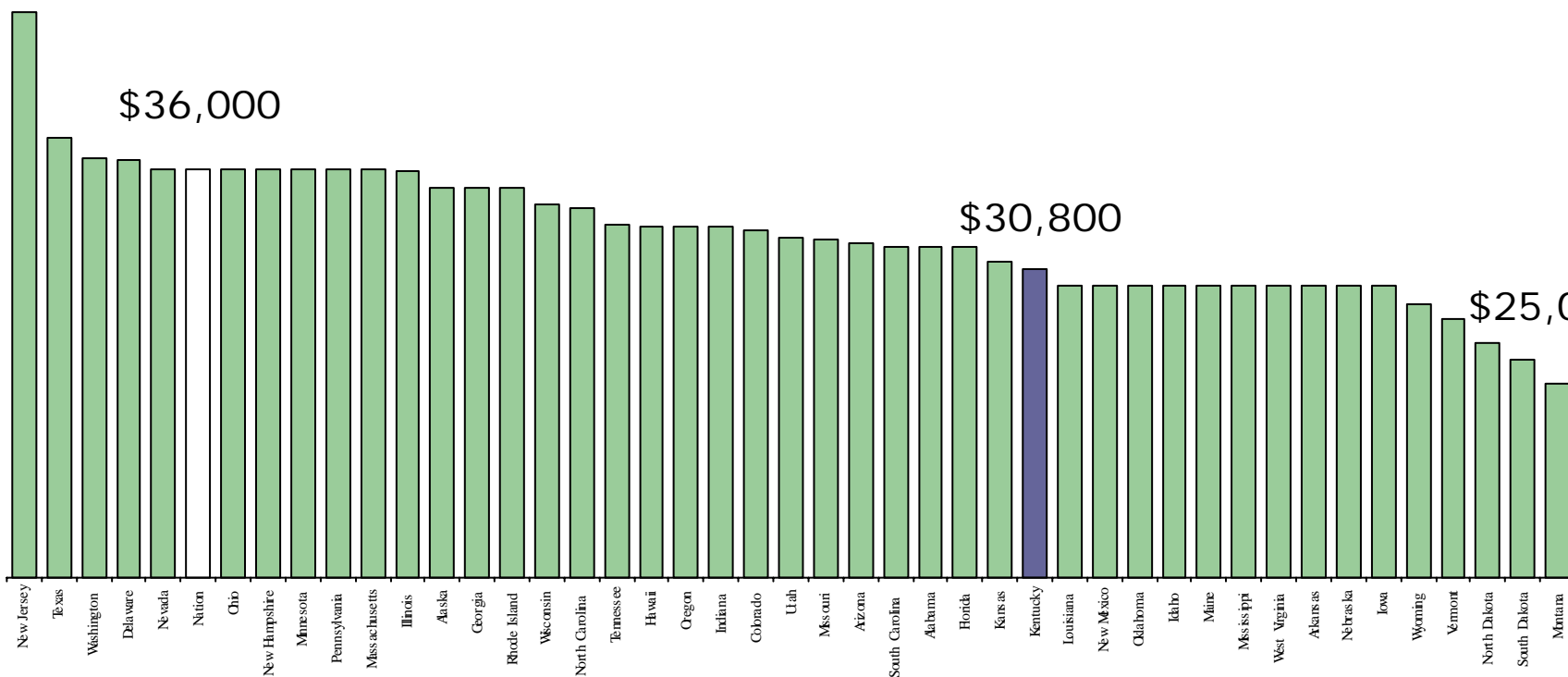
Median Earnings, Bachelor's Degree Holders, 2000

\$44,000

\$36,000

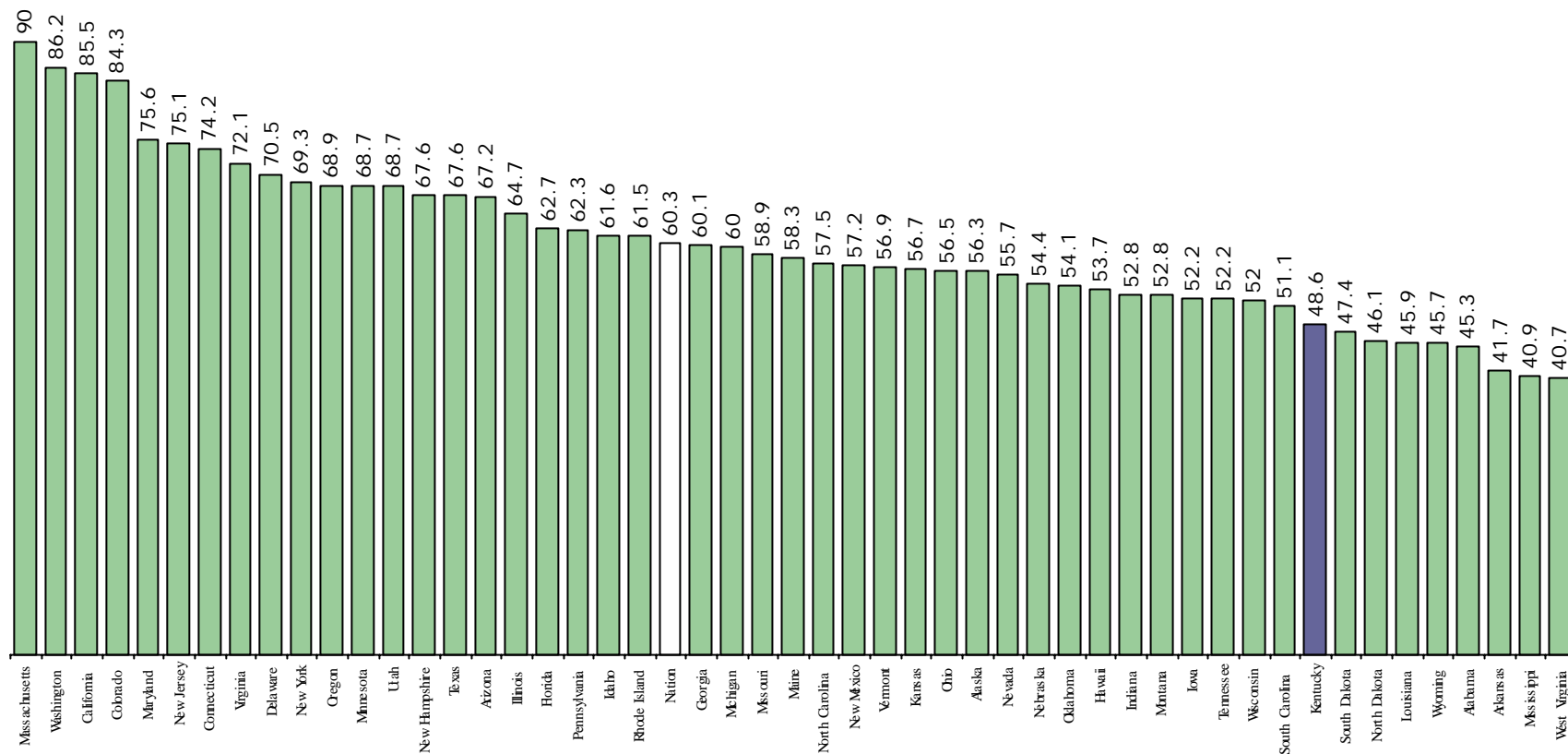
\$30,800

\$25,000



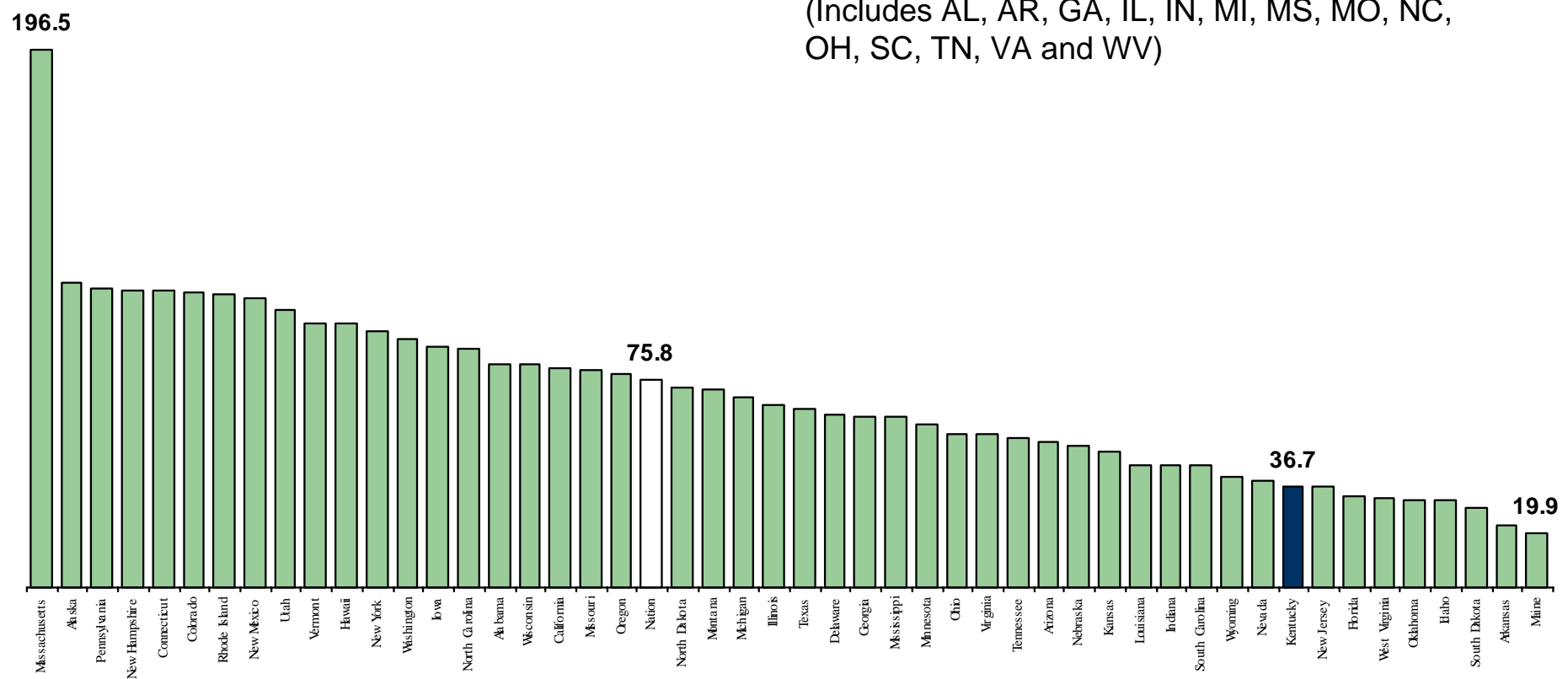
Research

Progressive Policy Institute: State New Economy Index, 2002



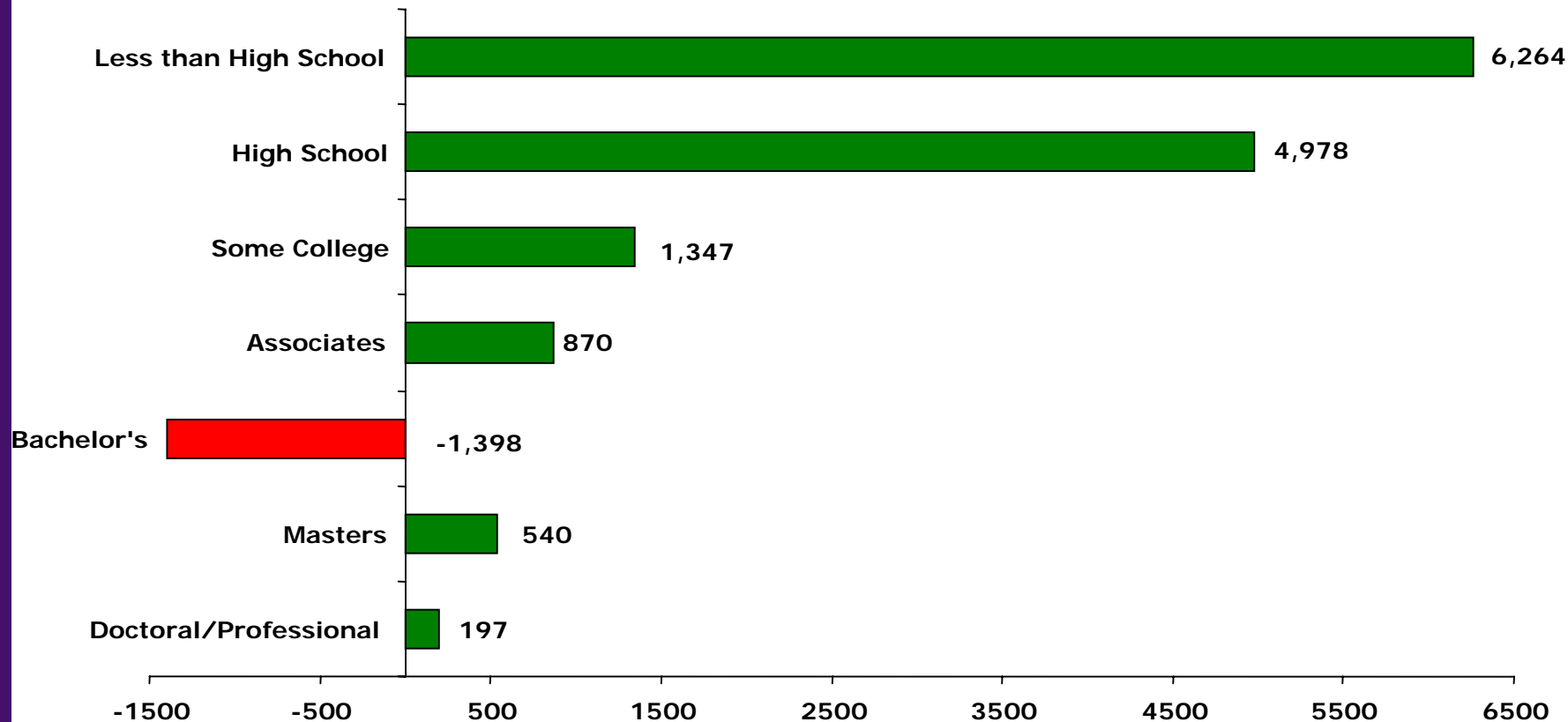
Federal R&D Expenditures Per Capita 2002, Dollars

Competitor State Average: \$58.6
(Includes AL, AR, GA, IL, IN, MI, MS, MO, NC,
OH, SC, TN, VA and WV)



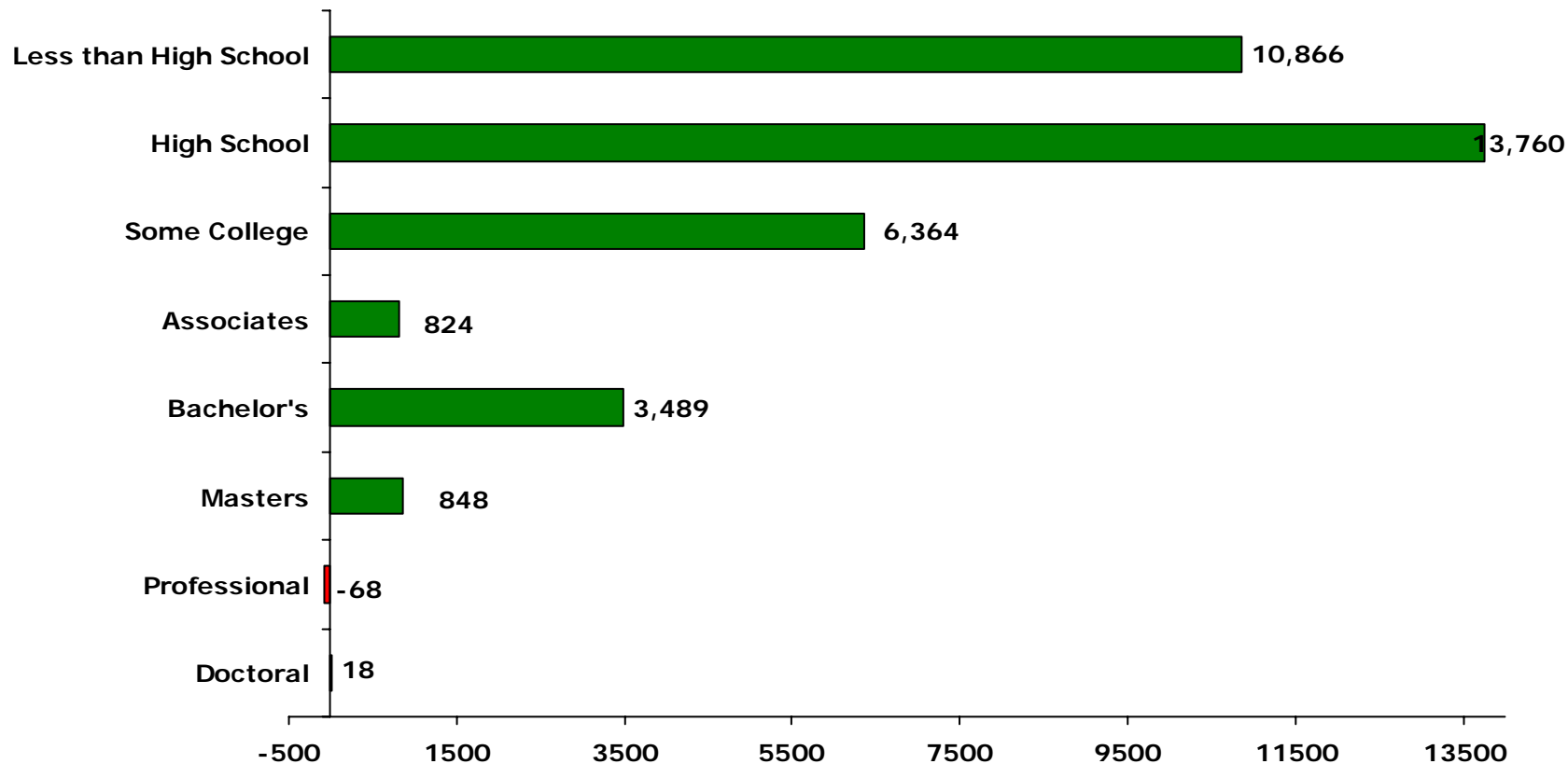
Migration

Kentucky Net Migration by Degree Level, Ages 22-29, 1995-2000



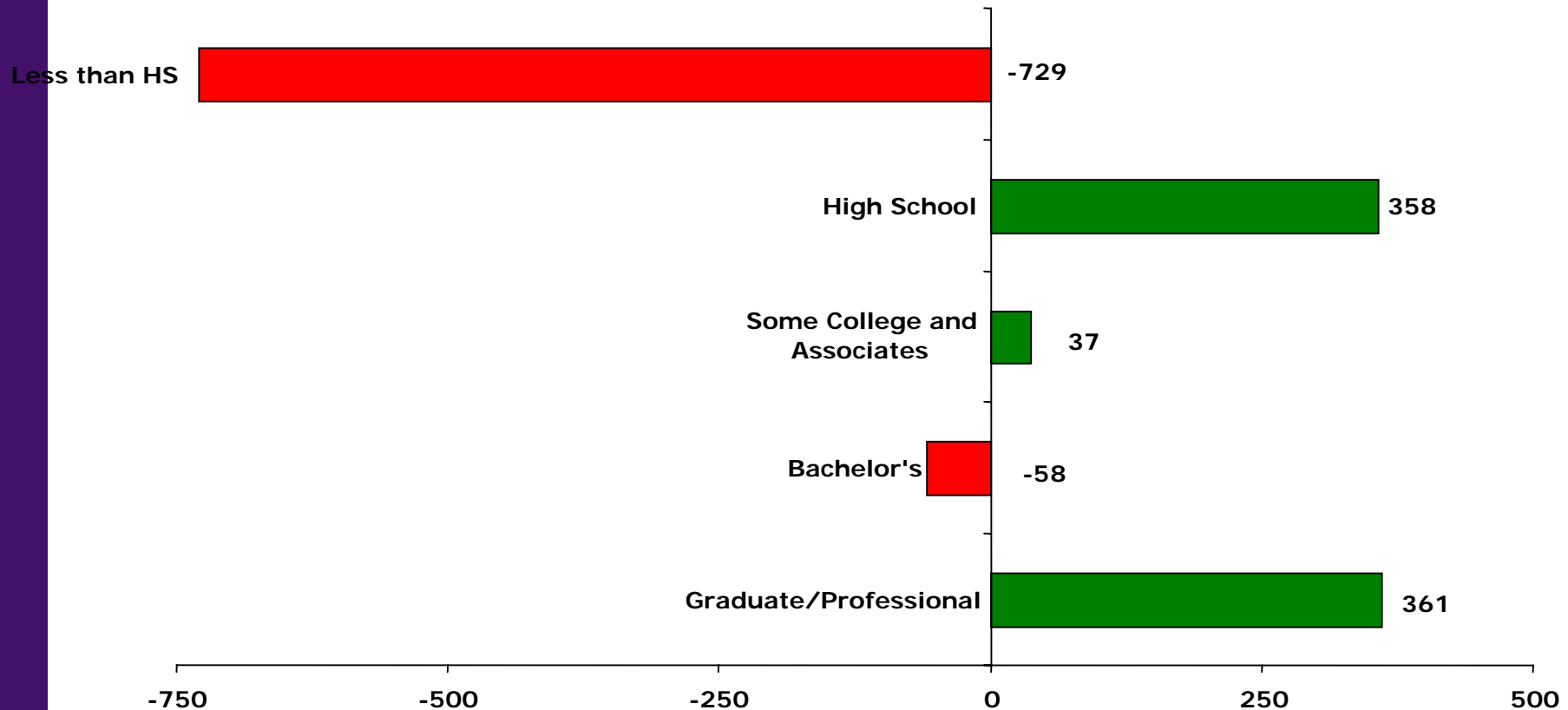
Source: U.S. Census, Public Use Microdata Samples, 2000

Kentucky Net Migration by Degree Level, Ages 30-64, 1995-2000



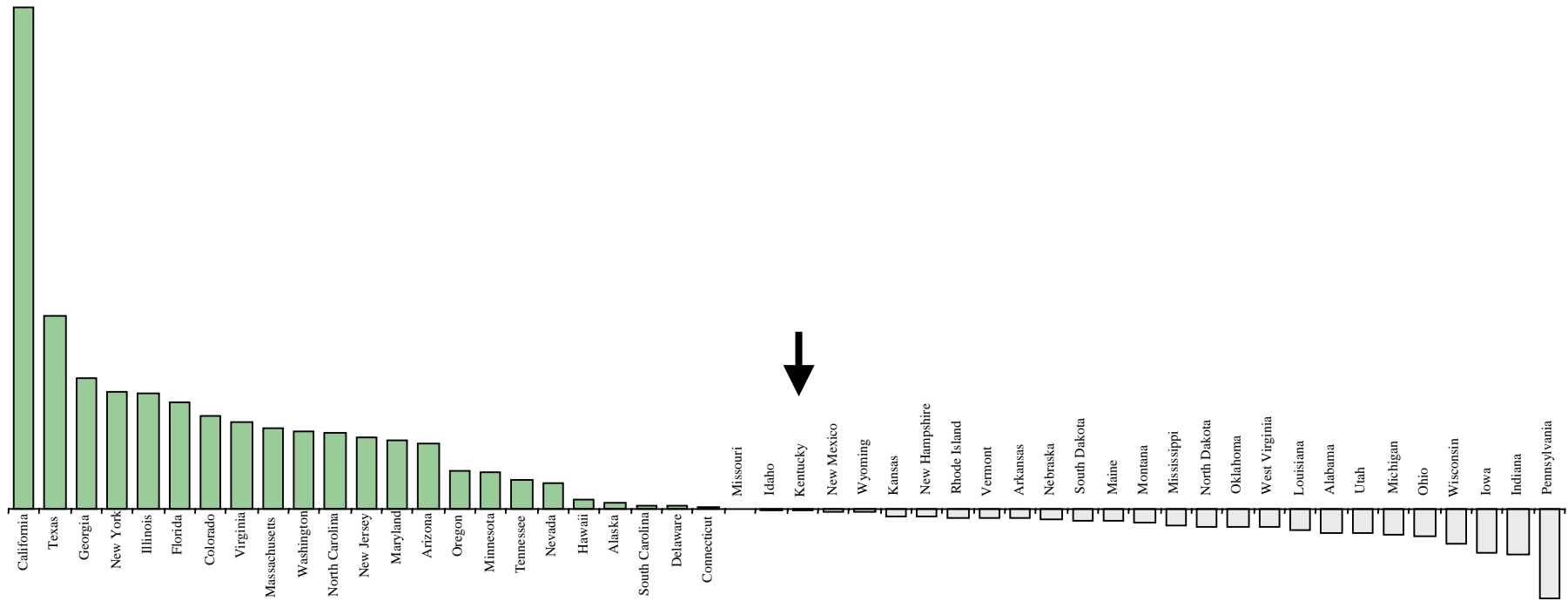
Source: U.S. Census, Public Use Microdata Samples, 2000

Kentucky Net Migration by Degree Level, Ages 65 and Over, 1995-2000

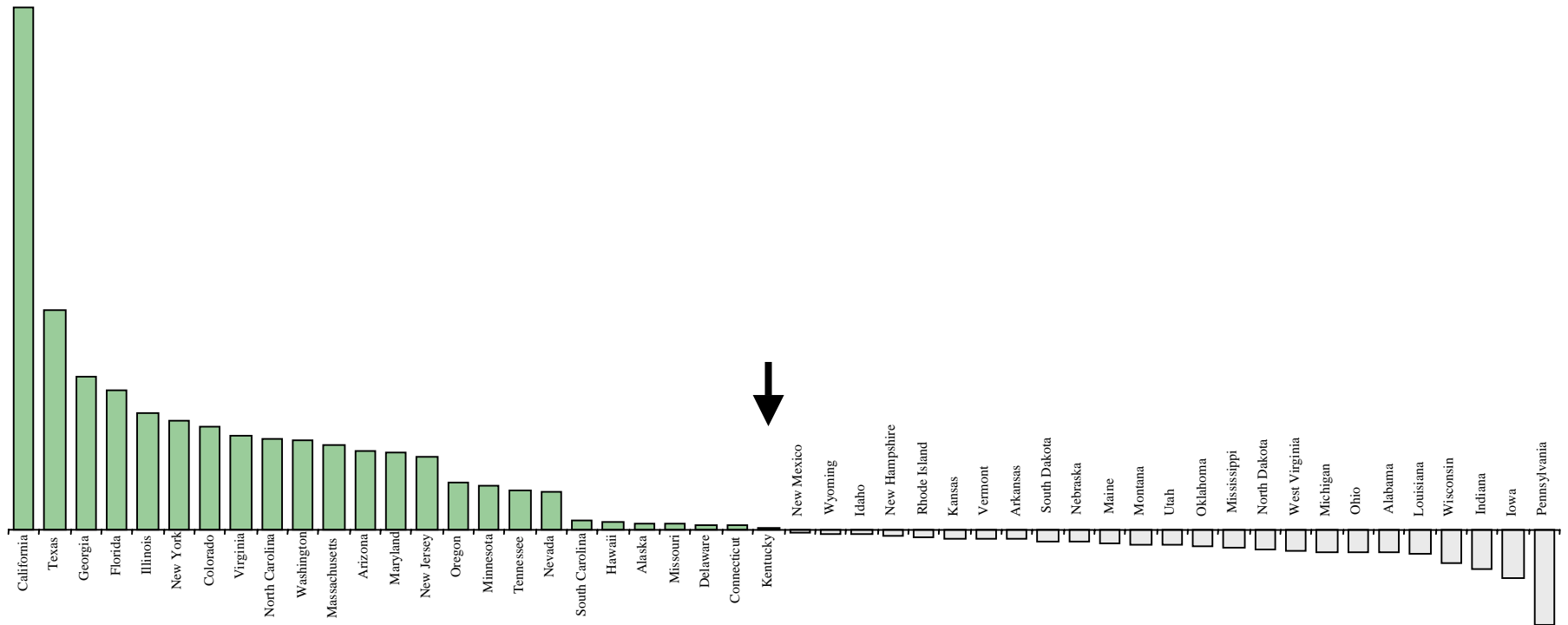


Source: U.S. Census, Public Use Microdata Samples, 2000

Net Migration of Residents 22-29 with Bachelor's Degree or Higher, 1995-2000

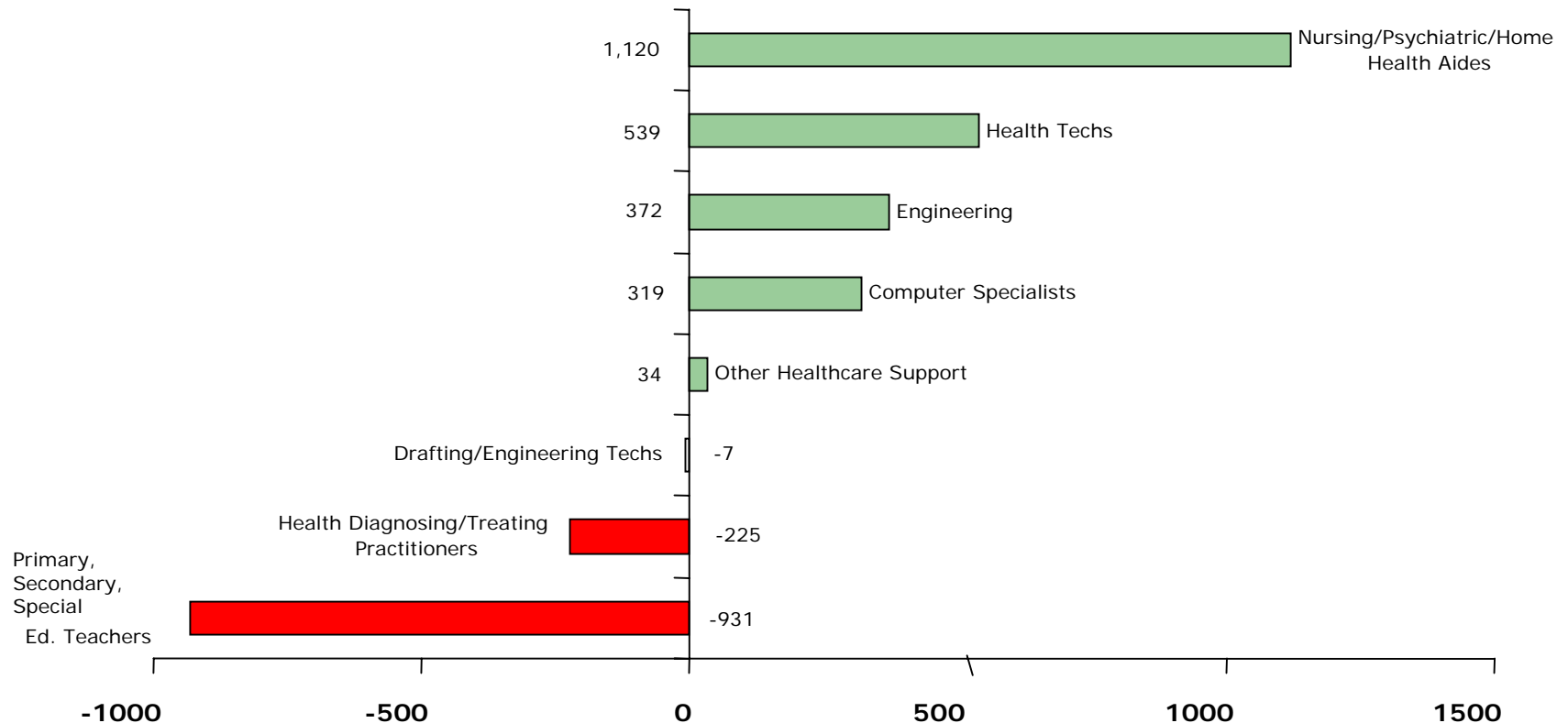


Net Migration of Residents 22-29 with Associate's Degrees or Higher, 1995-2000



Net Migration, Priority Areas

All 22- to 64-Year-Olds, 1995-2000



States to Which Kentucky Loses Most of Its College-Educated Residents

(Net Loss from 1995 to 2000)

22- to 29-Year Olds

Tennessee	-3093
Ohio	-2818
Indiana	-1926
Georgia	-1323
Illinois	-1100
North Carolina	-1092
Florida	-1073
Texas	-1066
Virginia	-832
Missouri	-799

30- to 64-Year Olds

Ohio	-4806
Tennessee	-4079
Florida	-3675
Indiana	-3450
Georgia	-2724
North Carolina	-2147
Texas	-1951
Illinois	-1842
Virginia	-1646
California	-1633

How affordable is public postsecondary education in Kentucky?

Measuring Up 2004 - Affordability

Reliance on Loans

- This is a measure of student debt and accounts for 10% of the affordability grade for states.
- There has been a \$346 increase in the average annual student loan from a decade ago.

	KY 1994	KY 2004	Top States	National Rank
Average loan amount that undergraduate students borrow each year	\$2,672	\$3,018	\$2,619	5 th

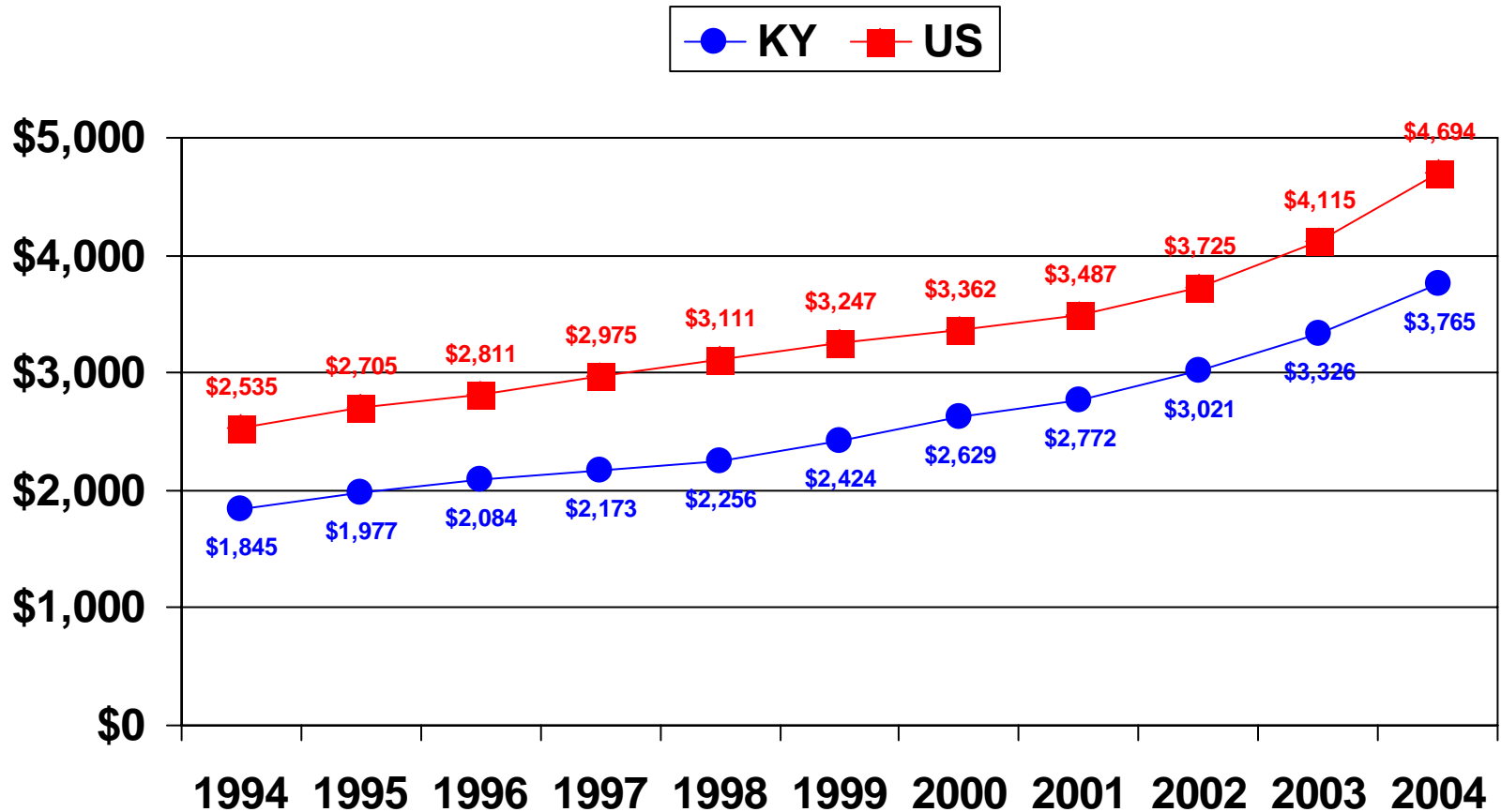
Lower dollar values reflect better performance in this metric.

Measuring Up is a state by state report card published by the National Center for Public Policy and Higher Education.

Tuition and Fees (Sticker Price) at 4-Year Kentucky Public Postsecondary Institutions, 2003-04

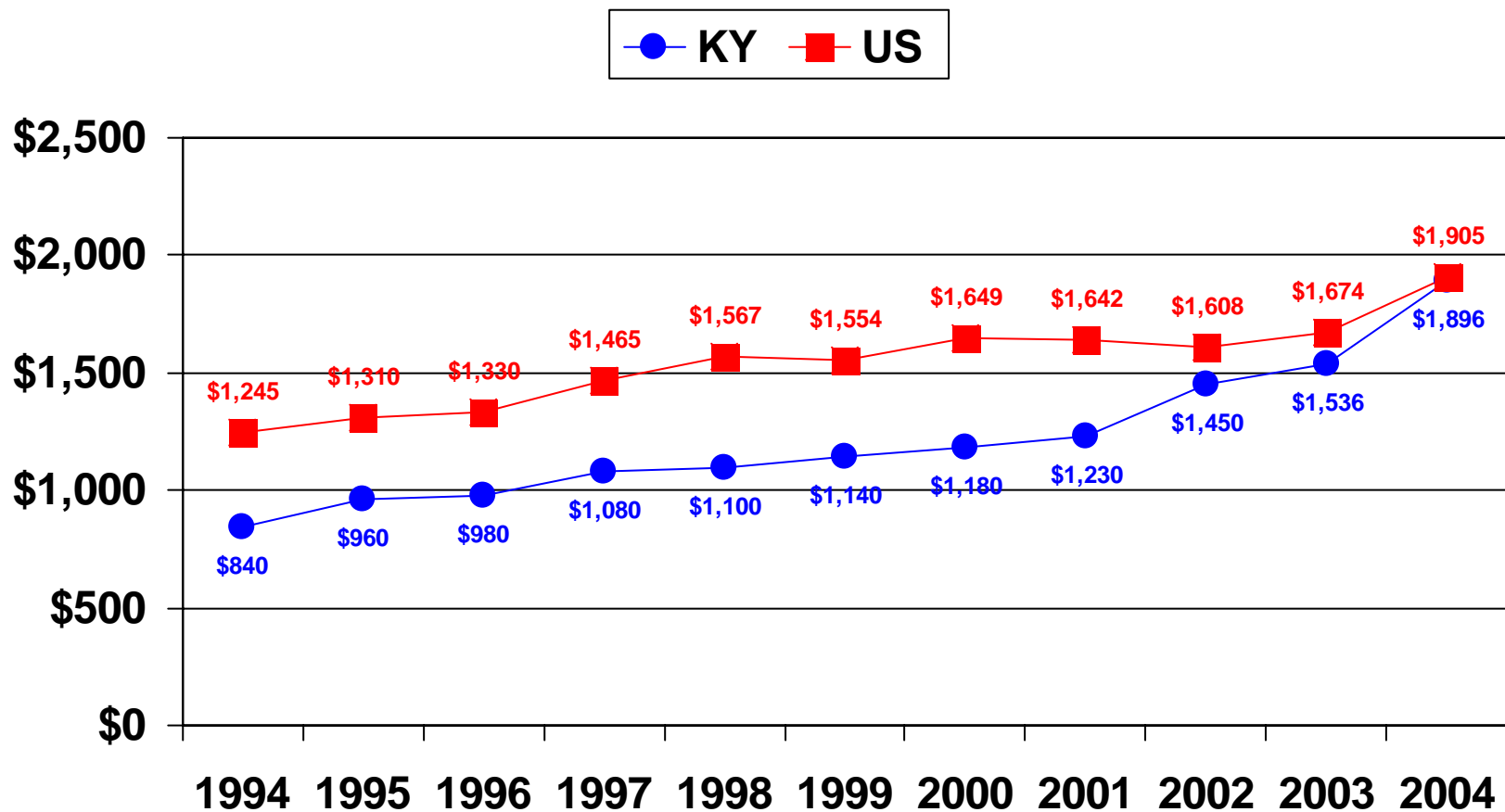
- Average Tuition and Fees - \$3,765
- Tuition Range: \$3,358 to \$4,547
- Average tuition and fees at Kentucky institutions in 2003-04 was 25% below the national average
- Highest priced Kentucky institution was below the national average.
- Tuition and Fee rates at Kentucky institutions have increased on average 7.5% per year over the last decade.

Average Tuition and Fees at KY Public 4-Year Institutions Compared to National Average



Source: Trends in College Pricing 2003, The College Board and the Council on Postsecondary Education

Tuition and Fees at KCTCS Compared to National Average for 2 year Institutions



Source: Trends in College Pricing 2003, The College Board and the Council on Postsecondary Education

Data Source Web Links

- American Community Survey:
<http://www.census.gov/acs/www/Products/Ranking/index.htm>
- US Census Bureau Educational Attainment:
<http://www.census.gov/population/www/socdemo/educ-attn.html>
- US Department of Labor, Bureau of Labor Statistics:
<http://www.bls.gov/lau/home.htm>
- United Health Foundation: <http://www.unitedhealthfoundation.org/shr2003>
- National Center for Higher Education Management Systems:
<http://www.higheredinfo.org/>
- Kentucky State Data Center: <http://ksdc.louisville.edu>
- Kentucky Department for Employment Services:
<http://www.workforcekentucky.ky.gov>
- UK and KSU Health Education Through Extension Leadership:
<http://www.ca.uky.edu/heel>
- Kentucky Deskbook of Economic Statistics:
<http://www.thinkkentucky.com/edis/deskbook>